



Beachie Creek Incident Decision

Published
09/14/20 19:37

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1. Decision

1.1. Decision Summary

Decision Information

NAME	VALUE
Published	09/14/2020 19:37 CDT
Estimated Cost	\$30,000,000
Incident Owner(s)	Justin Sharpe, Lyn Medley, Christopher Sorensen, Katherine Reed, Chris Donaldson
Editor(s)	brandon coville, Brandon McGilvray, Chris Mushrush, Duane Bishop, David Warnack, edward hiatt, John Huston, Linda Ferguson, Molly Juillerat, Robert Gentry, Tom Montoya
Reviewer(s)	
Approver(s)	Duane Bishop, John Huston, Tom Montoya
Natl Preparedness Level	5

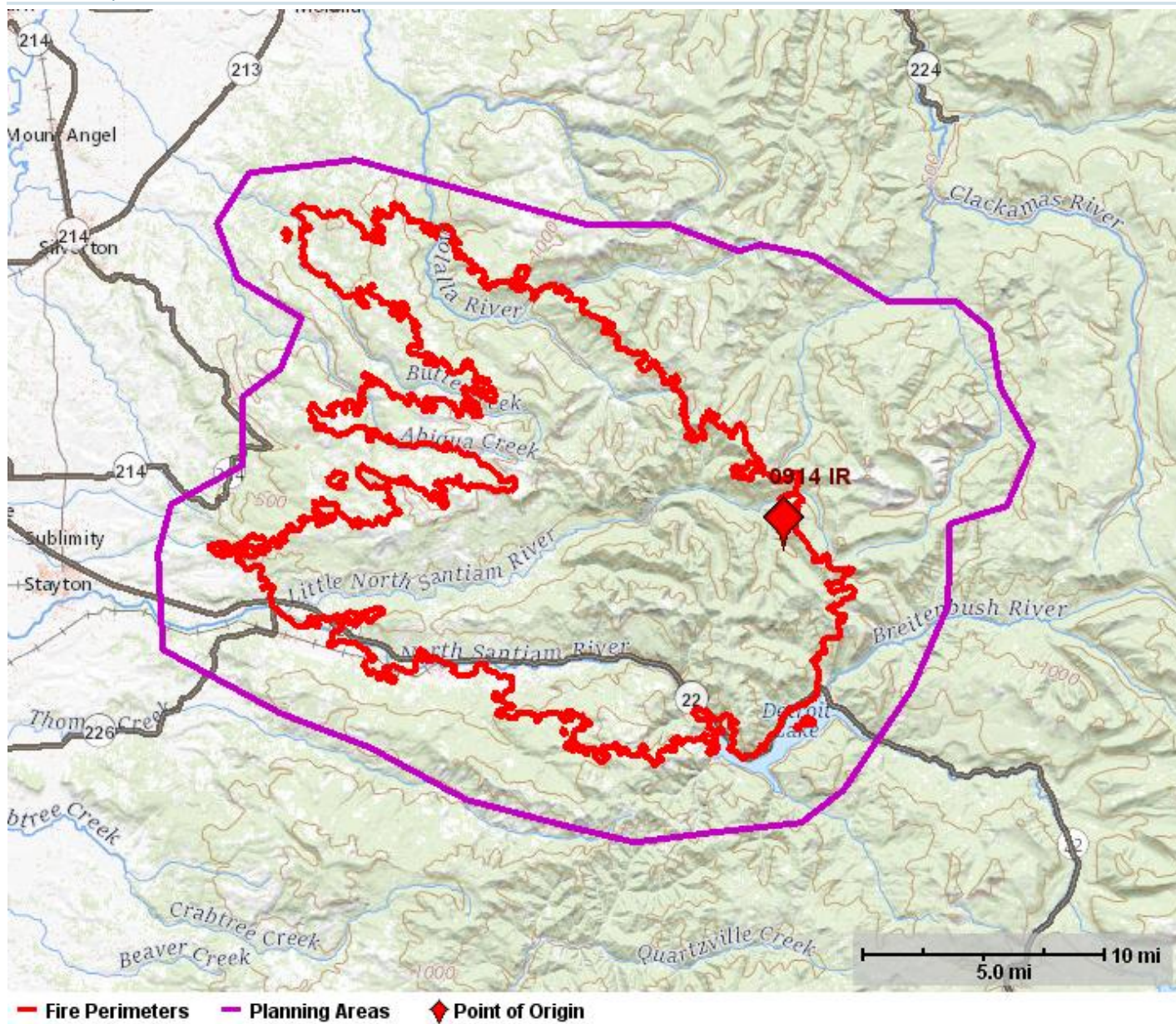
Decision History

Editor Name	Action	Date (CDT)	Comment
Bishop, Duane	Approved	09/14/2020 19:37	
Bishop, Duane	Published	09/14/2020 19:37	
Huston, John	Approved	09/14/2020 19:30	
Montoya, Tom	Approved	09/14/2020 19:07	
Donaldson, Chris	Review Requested	09/14/2020 19:04	
Donaldson, Chris	Review Requested	09/14/2020 19:03	New decision contains updated FSPro runs and complexity assessment.
Medley, Lyn	Created	09/07/2020 16:35	

1.2. Incident Information

Incident Information

NAME	VALUE
Incident Name	Beachie Creek
Unique Fire Identifier	2020-ORWIF-200299
Responsible Unit Name	Willamette National Forest
FireCode	NFN5
P-Code	P6NFN5
Point of Origin	44.82111N / 122.188 W
Incident Size	188,374acres
Latest WFDSS Perimeter Size	190,138acres
Incident Cause	Unknown
Incident Type	Wildfire
Incident Discovery	08/16/2020 11:18
Contained	
Controlled	
Out	
Jurisdictional Unit	ORWIF - Willamette National Forest
Jurisdictional Agency(s)	BLM, USFS, State
Geographic Area (prep level)	Northwest (5)
Owner Name(s)	Justin Sharpe, Lyn Medley, Christopher Sorensen, Katherine Reed, Chris Donaldson



1.3. Weather

Fire Weather Zone Forecast

000
FNUS56 KPQR 142159
FWFPQR
Fire Weather Planning Forecast for NW Oregon and SW Washington
National Weather Service Portland OR
259 PM PDT Mon Sep 14 2020
.BROADCAST DISCUSSION...Little change through Wednesday to stubborn inversion around 1500-2000 feet. Warmer and drier above the inversion resulting more mixed air mass. Weak front brings a chance for wetting rain along the coast and coastal mountains tonight and Tuesday with little rain east of the coastal mountains. Low pressure sits offshore Wednesday and Thursday, then showers increasing as the low moves inland over Pac NW on Friday. Could see a wetting rain for much of region Thursday night with low chances for thunderstorms Thursday afternoon.
.DISCUSSION...An upper low well offshore shifts slowly east through the week. Model trend has been to slow the eastward progress of this low, so may see further delay with regards to expected weather for the forecast area. In the near term, satellite shows a weak front over the coastal waters Monday afternoon. The front should bring 0.2 to 0.4 inch rain to the coast and coastal mountains but little if any east of the coast range tonight through Tuesday night. May see a few showers Wednesday into Thursday, but generally limited to the coast. The low is closer by Thursday and may be unstable enough for some thunderstorms, possibly elevated. Some storms may be surface based over the Cascades if there is enough heating. The limiting factor is how much of the higher smoke will clear the area to allow full surface heating. The low looks to finally start moving onshore late Thursday, and inland on Friday. Will see quite a bit of showers at that time, with better potential of a wetting rain from coast to the Cascades. But as mentioned above models may continue to slow the eastward progress of this system.
Not much in the way to break the stubborn inversion around 1500-2000 ft over the valley next couple of days. This keeps winds on light side and holds on to smoke in the valleys. But it is warmer and drier above the inversion where the higher level smoke has moved off by persistent southwest flow resulting in a more mixed air mass.
Fcstr...Higa
\$\$
***Thunderstorms imply strong gusty winds ***
Winds are 20-Foot 10 Minute Averages
CWR-Chance of Wetting Rain 0.25 or greater
\$\$
ORZ608-151900-
Willamette National Forest-
259 PM PDT Mon Sep 14 2020
.TONIGHT...
* Sky/Weather.....Cloudy. Smoky.
* Min Temperature.....55-60, except 50-55 ridges.
* Max Humidity.....80-95%.
* 20-Foot Winds.....
* Valleys/Lwr Slopes.....Drainage less than 5 mph.
* Ridges/Upr Slopes.....South 4-7 mph.
* CWR.....0%.
* LAL.....1.
* Haines Index (High).....3 (very low).
* Mixing Height.....Near surface.
* Transport Winds.....West 10 mph shifting to the east after midnight.
.TUESDAY...
* Sky/Weather.....Cloudy. Smoky. A slight chance of rain until 1200, then a slight chance of showers.
* Max Temperature.....75-80, except 70-75 ridges.
* Min Humidity.....35-45%.
* 20-Foot Winds.....
* Valleys/Lwr Slopes.....Variable 3 mph or less becoming west 3-5 mph beginning late afternoon.
* Ridges/Upr Slopes.....Southeast 3-6 mph in the morning becoming variable 3 mph or less.
* CWR.....0%.
* LAL.....1.
* Haines Index (High).....2 (very low).
* Mixing Height.....8000 ft agl.
* Transport Winds.....East 5 mph shifting to the southwest in the afternoon.
.TUESDAY NIGHT...
* Sky/Weather.....Partly cloudy. A slight chance of showers until 2400. Smoky.
* Min Temperature.....55-60, except 50-55 ridges.

Fire Weather Zone Forecast

* Max Humidity.....70-85%.
* 20-Foot Winds.....
* Valleys/Lwr Slopes.....Drainage less than 5 mph.
* Ridges/Upr Slopes.....Variable less than 5 mph becoming
southeast 3-6 mph early morning.
* CWR.....0%.
* LAL.....1.
* Haines Index (High).....2 (very low).
* Mixing Height.....Near surface.
* Transport Winds.....Northwest 10 mph shifting to the east
after midnight.
.WEDNESDAY...
* Sky/Weather.....Partly cloudy. Smoky. A slight chance of
showers after 1200.
* Max Temperature.....75-80, except 70-75 ridges.
* Min Humidity.....30-40%.
* 20-Foot Winds.....
* Valleys/Lwr Slopes.....Upslope 1-4 mph.
* Ridges/Upr Slopes.....Southeast 3-6 mph in the morning
becoming variable 2-5 mph.
* CWR.....0%.
* LAL.....1.
* Haines Index (High).....4 (low).
* Mixing Height.....8000 ft agl.
* Transport Winds.....Southeast 5 mph shifting to the
southwest in the afternoon.
.Forecast days 3 through 7.....
.WEDNESDAY EVENING...Partly cloudy with a slight chance of
showers. Areas of smoke. Northwest winds 3-5 mph.
.THURSDAY...Cooler. Areas of smoke. Showers likely and a slight
chance of thunderstorms. Lows 50-55. Highs 60-70. Terrain driven
winds less than 5 mph. Minimum humidity 65-80%.
.FRIDAY...Showers likely. Lows 45-55. Highs 55-65. Terrain driven
winds less than 5 mph. Minimum humidity 80-90%.
.SATURDAY...Partly cloudy with a chance of showers. Lows 45-55.
Highs 55-65. West winds 2-5 mph. Minimum humidity 70-85%.
.SUNDAY THROUGH MONDAY...Mostly clear. Lows 40-50. Highs 60-70.
Terrain driven winds less than 5 mph. Minimum humidity 45-60%.
&&
Pebble TEMPERATURE / HUMIDITY
52 73 52 75 / 100 40 93 40
Fields 58 75 58 77 / 77 36 69 36
Emigrant 60 78 60 80 / 58 27 55 25
\$\$

1.4. Modeling

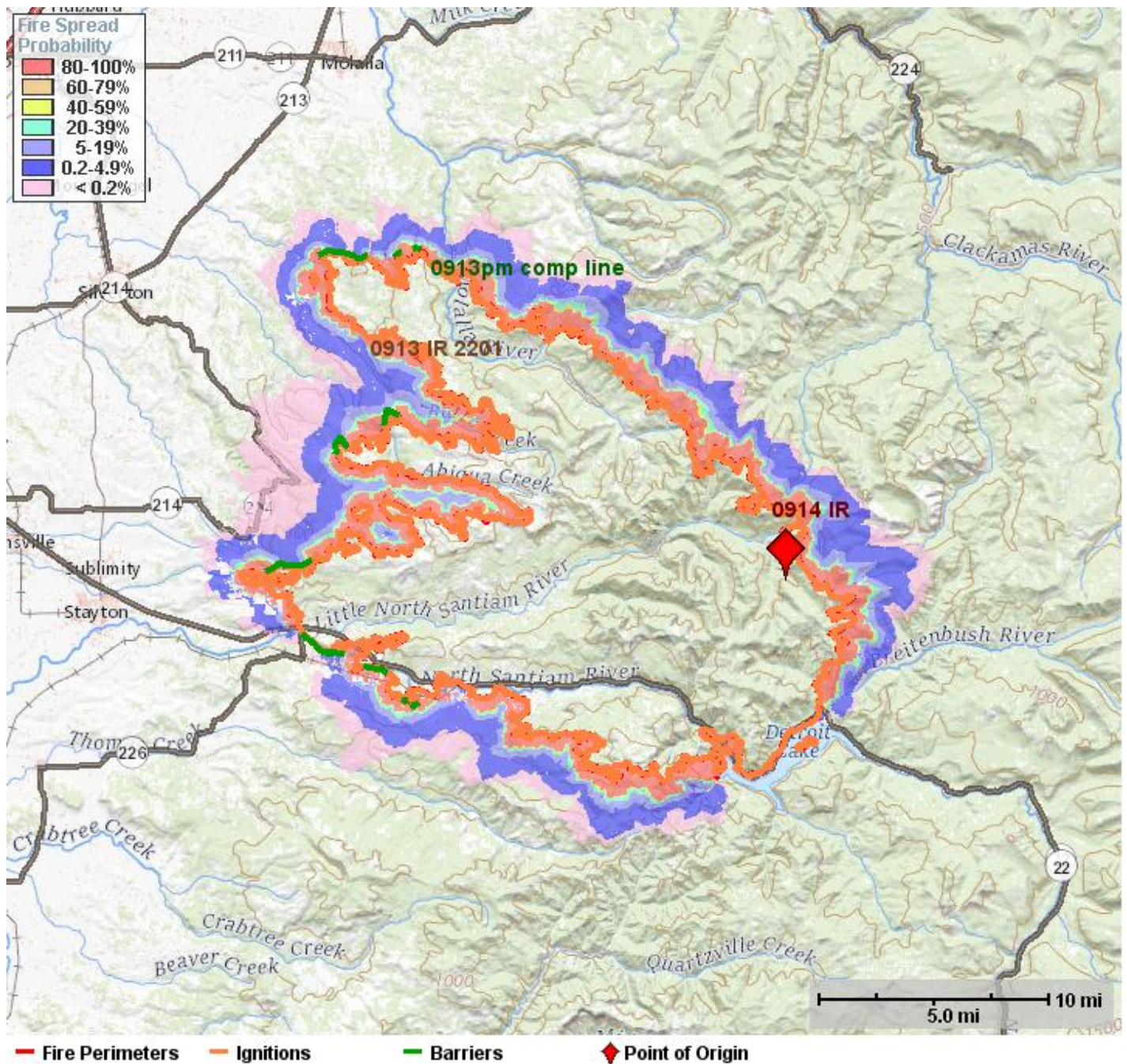
FSPro (0914 14 day 2000 fires for Area Command - Started on 09-14-2020)

FSPro General Information

NAME	VALUE
Analysis Name	0914 14 day 2000 fires for Area Command
Analysis Start	09/14/2020
Duration	14 days
Simulations	2000 fires

Time (CDT)	User	Note
09/14/2020 15:37	Aney, William	14 day run from perimeter of 09123pm. Forecasted weather is for 2-3 more days of warm and dry, followed by arrival of moisture and potentially wetting rain. This is reflected in the spread profiles

FSPro Analysis '0914 14 day 2000 fires for Area Command'



Near Term Fire Behavior Analysis Information

NAME	VALUE
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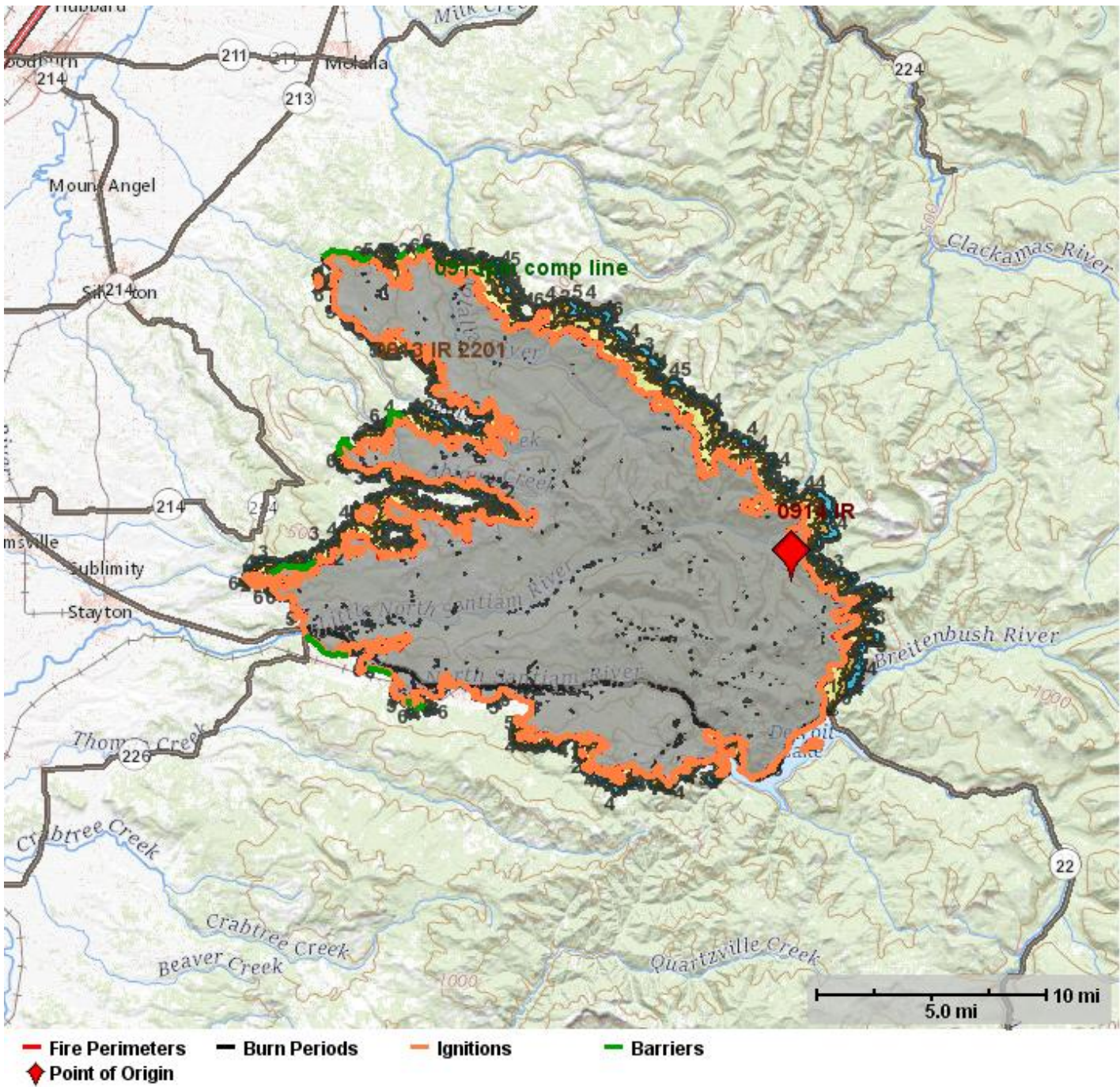
Analysis Name NTFB 0913 pm perimeter 6 days

Burn Periods

Date	Start Hour	End Hour	Acres
09/14/2020	13	16	16,448.8
09/15/2020	13	16	11,842
09/16/2020	13	16	9,631.3
09/17/2020	13	15	3,416.1
09/18/2020	13	15	985.1
09/19/2020	13	15	937.4

Time (CDT)	User	Note
09/14/2020 13:49	Aney, William	6 day NTFB from 0914am perimeter. Most growth is in day 1, as weather forecast turns cooler and moister over next few days. Assumes no suppression action (or firing operations), and assumes entire perimeter is how except for small areas of direct containment lines that have been holding.

Near Term Analysis 'NTFB 0913 pm perimeter 6 days'



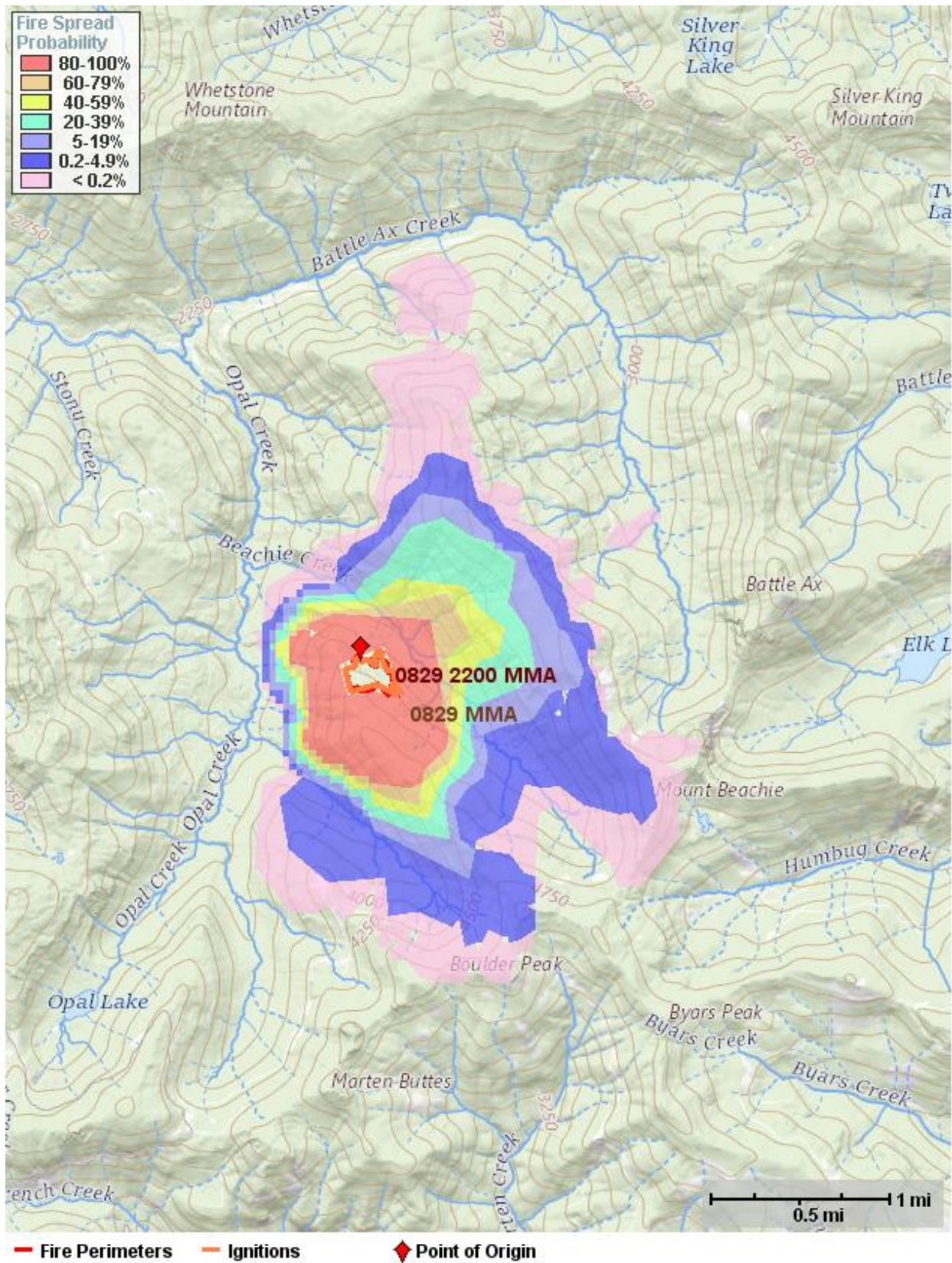
FSPPro (FSPPro 7Day (0902-0908) 3000 - Started on 09-02-2020)

FSPPro General Information

NAME	VALUE
Analysis Name	FSPPro 7Day (0902-0908) 3000
Analysis Start	09/02/2020
Duration	7 days
Simulations	3000 fires

Time (CDT)	User	Note
09/01/2020 21:26	Johnson, Mark	Results from a 7day (0902-0908) of 3,000 fires. Perimeter of 8/30 used as ignition file and assumed 100% active. No barriers were created. Model assumes no suppression actions are taken.

FSPPro Analysis 'FSPPro 7Day (0902-0908) 3000'



FSPro (FSPro 14Day (0902-0915) 3000 3day forecast - Started on 09-02-2020)

FSPro General Information

NAME	VALUE
Analysis Name	FSPro 14Day (0902-0915) 3000 3day forecast

FSPPro General Information

Analysis Start 09/02/2020

Duration 14 days

Simulations 3000 fires

Time (CDT)	User	Note
09/01/2020 21:27	Johnson, Mark	Results from a 14day (0902-09015) of 3,000 fires. Perimeter of 8/30 used as ignition file and assumed 100% active. No barriers were created. Model assumes no suppression actions are taken.

[FSPPro Analysis 'FSPPro 14Day \(0902-0915\) 3000 3day forecast'](#)

Near Term Fire Behavior Analysis Information

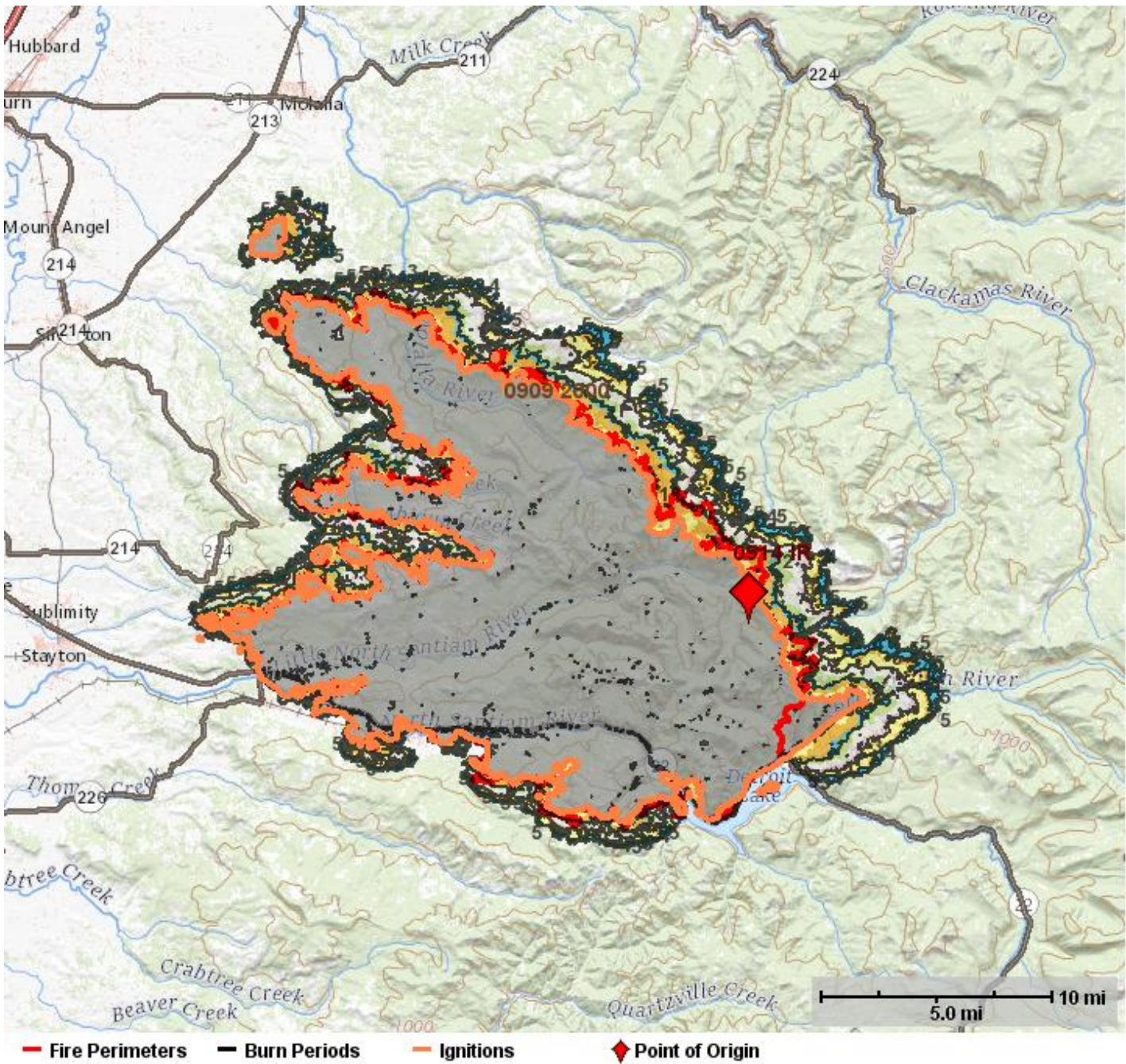
NAME	VALUE
Analysis Name	NTFB 5dy (0911-0915) Default FM All Fire

Burn Periods

Date	Start Hour	End Hour	Acres
09/11/2020	11	18	36,597.2
09/12/2020	11	18	33,695
09/13/2020	12	16	18,944
09/14/2020	13	16	11,157.8
09/15/2020	12	15	4,722.2

Time (CDT)	User	Note
09/11/2020 12:44	Johnson, Mark	Results are for a 5 day period (0911-0915). 100% percent of the perimeter was modeled as active. No barriers (fire line or other) were created. The model results were not clipped to the existing perimeters of the Riverside and Lions Head fires. Model results assume no suppression actions are taken.

Near Term Analysis 'NTFB 5dy (0911-0915) Default FM All Fire'



1.5. Risk

Relative Risk

NAME	VALUE
Relative Risk	High
Duration	High
Saved By	Donaldson, Chris
Completed	09/12/2020 18:49 CDT

Relative Risk Notes

There has been extensive loss of resources and structures during the last week of the incident. With numerous miles of unsecured perimeter and a lack of resources due to the multiple large incidents in the region.

Values Notes

The fire has spread across multiple ownerships and negatively impacted several communities. There is expected to be severe loss of property and resources.

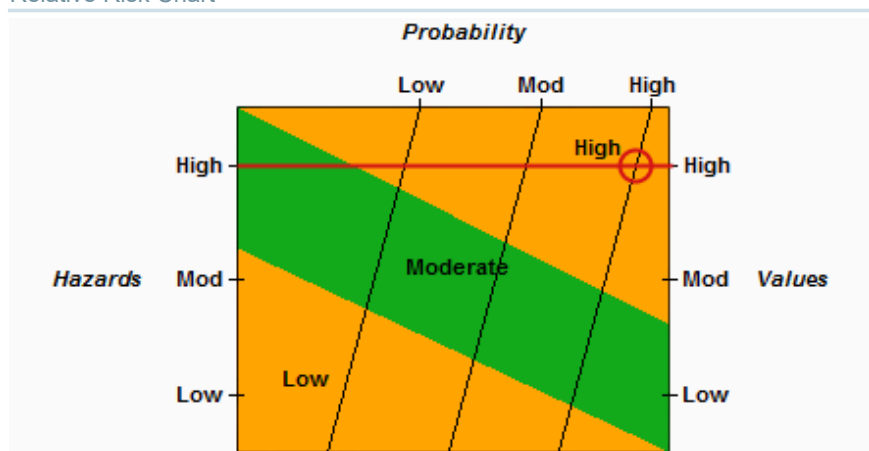
Hazards Notes

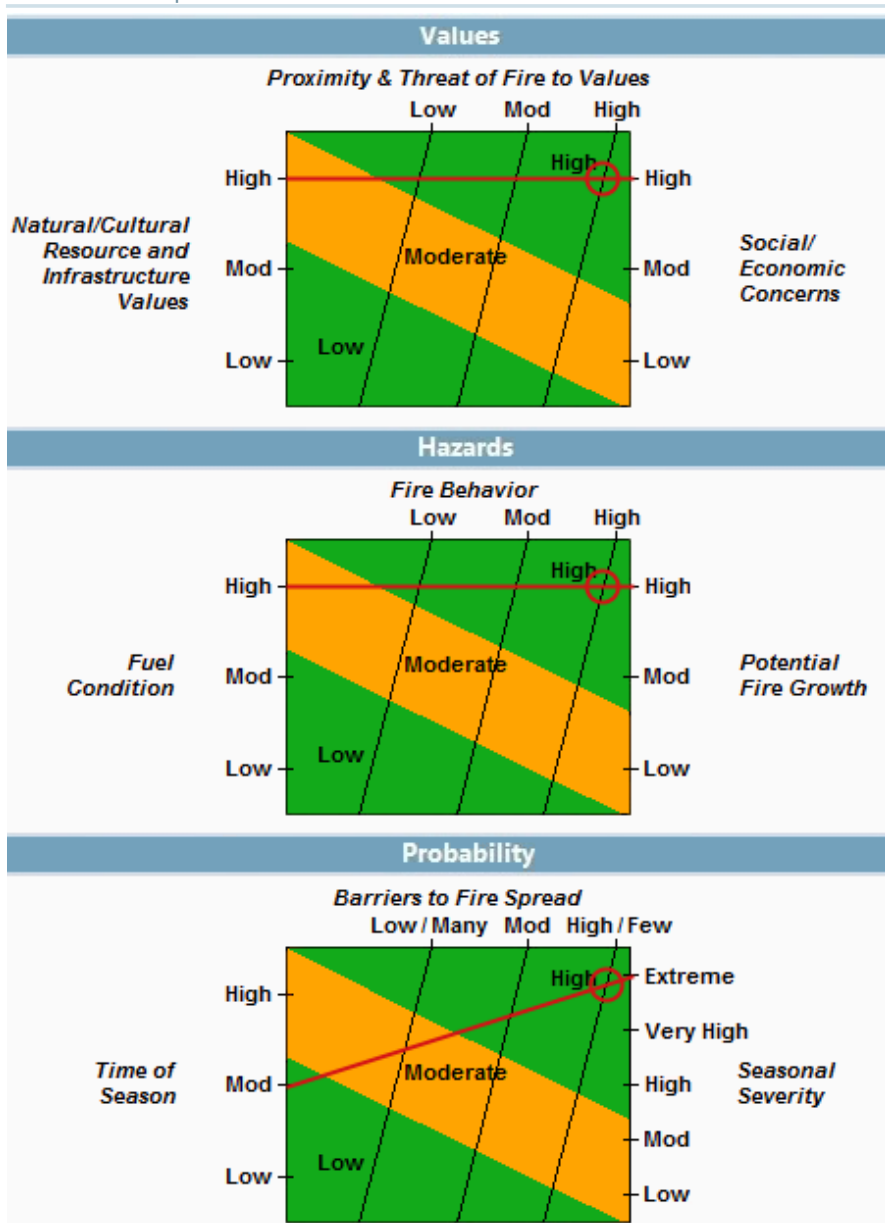
The fire has recently exhibited extreme growth and fire behavior. Adjective class is still extreme across the fire area.

Probability Notes

There are many miles of unstaffed fire line and control is difficult due to the quickly expanding perimeter and lack of resources. Structure loss has been high and containment of the incident will take several more weeks at a minimum.

Relative Risk Chart





Organization Assessment

NAME	VALUE
Unit Recommended Org Type 1	
Saved By	Donaldson, Chris
Completed	09/13/2020 13:02 CDT

Organization Assessment Notes

This incident is being managed as part of an Area Command which allows flexibility with short term resource needs. Additionally the incident is in a Unified Command with the Oregon State Fire Marshall and additional resources such as the Joint Information Center. While continuing to manage the incident with the current Type 2 management organization and structure allows for the most practical way to maintain continuity of operations and Type 1 team has been ordered and will take command of the incident when made available.

Relative Risk Notes

There has been extensive loss of resources and structures during the last week of the incident. With numerous miles of unsecured perimeter and a lack of resources due to the multiple large incidents in the region.

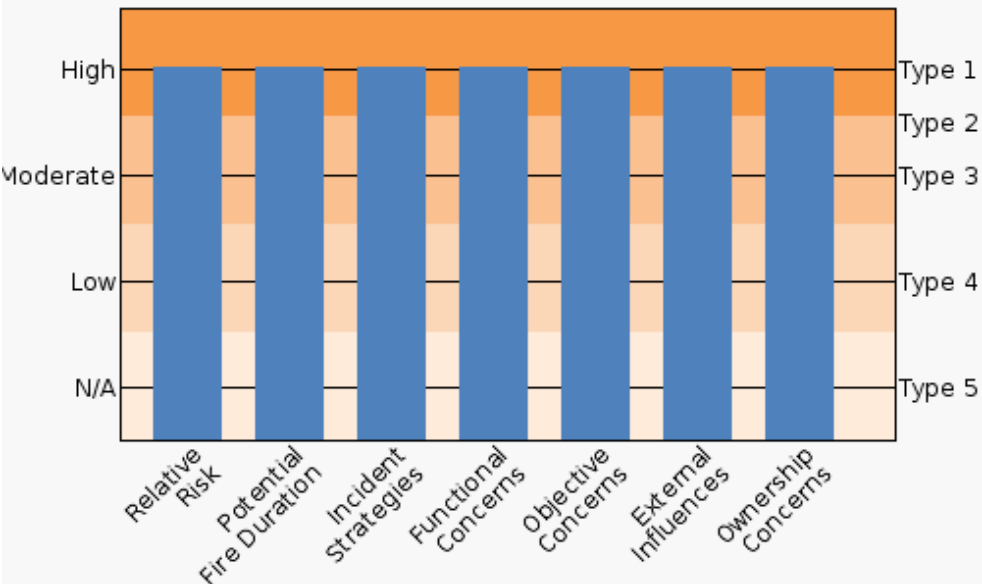
Implementation Difficulty Notes

This incident is expected to continue late into the season. The full range of incident management strategies and objectives are being utilized to bring the incident under control.

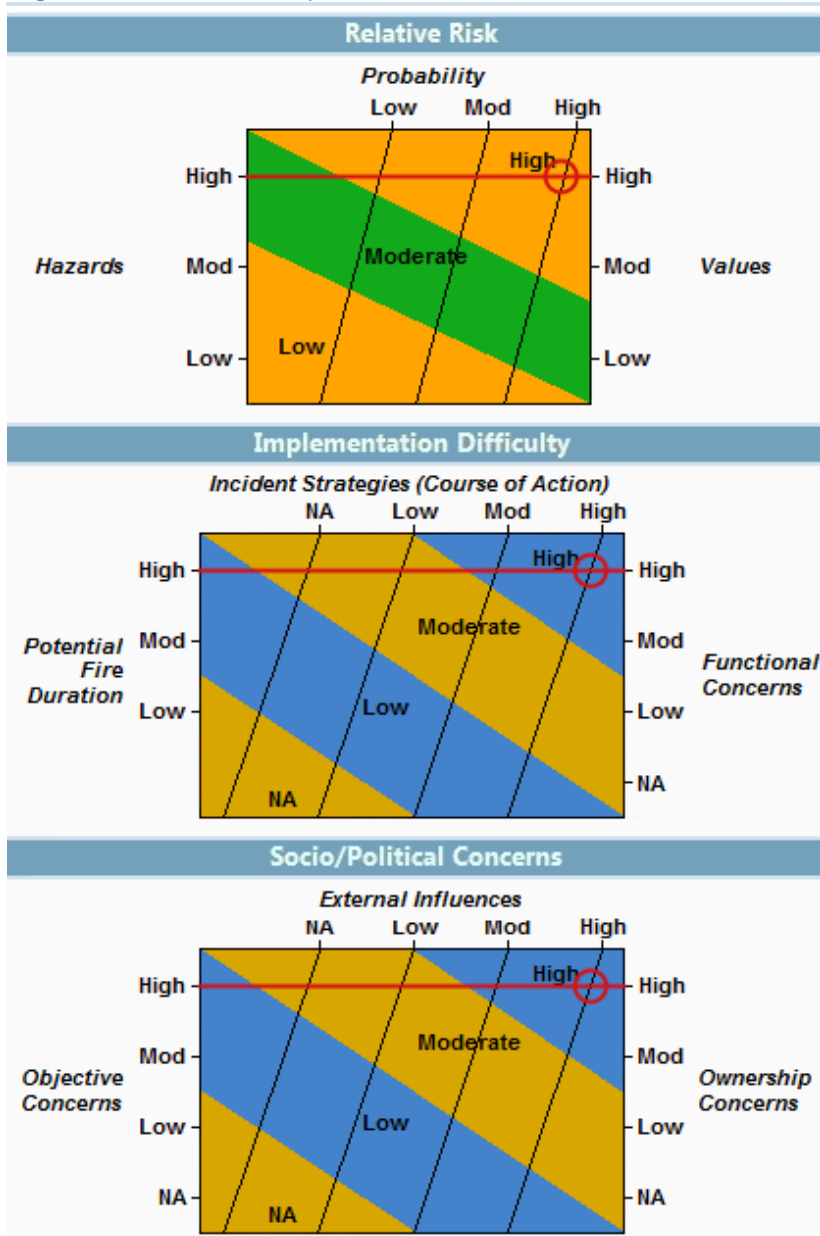
Socio/Political Concerns Notes

This incident involves numerous ownerships and agencies, with several communities impacted.

Organization Assessment Chart



Unit Recommended Org:Type 1



Planning Area Values Inventory Generated at 09/12/2020 18:28

NAME	VALUE
Planning Area Name	09/14/2020 19:37
Incident Name	Beachie Creek
Planning Area Size	457,762 acres

Category	Value	Data Source	Currency	Coverage
BLM Buildings	31	HSIP	04/01/2017	BLM Lands
Building Clusters: Clackamas, OR	171	Various	Various	Available counties
Building Clusters: Linn, OR	1,747	Various	Various	Available counties
Building Clusters: Marion, OR	2,126	Various	Various	Available counties
Campgrounds	13	BLM (FAMS) and USFS INFRA	6/01/2018	National (BLM and USFS only)
Communication Towers	126	HIFLD	02/20/2020	National
County: Clackamas, OR	144,283 acres	USFWS ECOS	2/10/2020	National
County: Linn, OR	84,224 acres	USFWS ECOS	2/10/2020	National

Category	Value	Data Source	Currency	Coverage
County: Marion, OR	229,256 acres	USFWS ECOS	2/10/2020	National
Electric Power Plants	3	Homeland Security Open Data	10/7/2019	National
Electric Sub Stations	11	Homeland Security Open Data	10/7/2019	National
Electric Transmission Lines	266.7 miles	Homeland Security Open Data	9/24/2019	National
Est Ground Evac Time: 1-2 Hrs	144,984 acres	National Park Service NIFC	11/01/2012	CONUS
Est Ground Evac Time: 2-4 Hrs	116,235 acres	National Park Service NIFC	11/01/2012	CONUS
Est Ground Evac Time: 4-6 Hrs	24,579 acres	National Park Service NIFC	11/01/2012	CONUS
Est Ground Evac Time: 6+ Hrs	9,001 acres	National Park Service NIFC	11/01/2012	CONUS
Estimated Population	6,211	LandScan USA	2018	CONUS, AK, HI
Habitat: Northern Spotted Owl	50,573 acres	US Fish and Wildlife Service	02/01/2020	National
IRA: Bull Of The Woods Roadless Area	8,271 acres	USFS	03/08/2019	National
IRA: Elkhorn Roadless Area	9,380 acres	USFS	03/08/2019	National
IRA: Opal Creek Roadless Area	5,417 acres	USFS	03/08/2019	National
Landowner Category: BLM	64,047 acres	PAD-US 2.0, AICC, BIA/WFDSS, Census	03/12/2020	National
Landowner Category: City	1 acres	PAD-US 2.0, AICC, BIA/WFDSS, Census	03/12/2020	National
Landowner Category: County	151 acres	PAD-US 2.0, AICC, BIA/WFDSS, Census	03/12/2020	National
Landowner Category: Private	185,923 acres	PAD-US 2.0, AICC, BIA/WFDSS, Census	03/12/2020	National
Landowner Category: State	52,339 acres	PAD-US 2.0, AICC, BIA/WFDSS, Census	03/12/2020	National
Landowner Category: USFS	155,303 acres	PAD-US 2.0, AICC, BIA/WFDSS, Census	03/12/2020	National
Natl Scenic Byways	15.3 miles	NPS	2/28/2019	National
Natl Wild Scenic Rivers	37.0 miles	USDA/USFS/EDW	5/26/2020	National
ORPRD - Tribal / Tribal Affiliated	216 acres	ORROD		Unit
ORPRD - Tribal / Tribal Fee Lands	216 acres	ORPRD		Unit
ORROD - ODF Districts / South Cascade	476 acres	ORPRD		Unit
ORWSA - Land Status / WSA CTWS Affil Lands	216 acres	ORWSA		Unit
Oil and Gas Pipelines	11.5 miles	HSIP Gold 2015	04/2015	National
Other Areas: Bagby	625 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Collawash, Oregon	2,998 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Detroit Lake	3,696 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Elkhorn Creek Segment i	3,819 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Elkhorn Creek Segment ii	376 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Elkhorn Creek, Oregon	2,149 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Fish Creek	123 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Fish Creek, Oregon	185 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Little North Santiam River	4,299 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Molalla River Seg B	3,071 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: North Santiam River	7,746 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Opal Creek	13,721 acres	USGS PADUS 1.4	03/13/2019	National

Category	Value	Data Source	Currency	Coverage
Other Areas: Sugar Pine Unusual Interest Area	36 acres	USGS PADUS 1.4	03/13/2019	National
Other Areas: Table Rock Fork of the Molalla	1,944 acres	USGS PADUS 1.4	03/13/2019	National
Roads	49.1 miles	NAVTEQ	11/2012	National
USFS Buildings	46	USFS	2020	National
USFS Trails	115.7 miles	USFS	7/30/2019	National
Wilderness: Bull of the Woods Wilderness	35,944 acres	Wilderness.net	01/31/19	National
Wilderness: Opal Creek Wilderness	20,777 acres	Wilderness.net	01/31/19	National
Wilderness: Table Rock Wilderness	5,788 acres	Wilderness.net	01/31/19	National

Coverage of Values Queried that Produced No Results

BLM Horse and Burro (National), BLM Oil / Gas Leases (National), BLM Range Allotments (National), Class 1 Airsheds (National), Mines (National), NPS Buildings (National), NRA (National), Natl Historic Trails (National), Natl Recreation Trails (National), Natl Scenic Trails (National), Ozone Non-Attainment (National), Particulates Non-Attainment (National), Protecting Unit (AK, CA, ID, MT, NM, MN), Sage Grouse Habitat (National), TNC Lands (National), USFWS Trails (National), WSA (National)

1.6. Benefits

Benefits

Last updated by Chris Donaldson on 09/12/2020 17:55



1.7. Objectives

Incident FMU/Strategic Objective Code List

Unit	FMU/Strat Obj Code	Acres
ORMHF	Backcountry Lakes	144
ORMHF	Developed Recreation	21
ORMHF	Earthflow	4,781
ORMHF	Key Site Riparian	29
ORMHF	Research Natural Area	40
ORMHF	Roaded Rec (Semi Prim)	2.8
ORMHF	Scenic Viewshed	3,936
ORMHF	Special Emphasis Watershed	10,420
ORMHF	Special Interest Area	56
ORMHF	Special Old Growth	441
ORMHF	Wild Scenic River- Scenic/Rec	1,423
ORMHF	Wilderness Area	34,273
ORMHF	Wood Product Emphasis	10,970
ORNOD	NOD(TRW_LSI_WEW)	58,426
ORNOD	TRW	5,788
ORWIF	MA-1 - Wilderness	22,500
ORWIF	MA-10c - Dispersed Recreation-Semiprimitive Motorized_ No Timber Harvest	1,360
ORWIF	MA-11a - Scenic-Modification Middleground	8,391
ORWIF	MA-11c - Scenic-Partial Retention Middleground	7,111
ORWIF	MA-11d - Scenic-Partial Retention Foreground	1,458
ORWIF	MA-11f - Scenic-Retention Foreground	1,704
ORWIF	MA-12a - Developed Recreation-F.S. Site	119
ORWIF	MA-12b - Developed Recreation-Special Use Permits	201
ORWIF	MA-13a - Special Use Permit Areas	803
ORWIF	MA-13b - F.S. Administrative Use Areas	82
ORWIF	MA-14a - General Forest-Intensive Timber Management	27,296
ORWIF	MA-2c - Opal Creek Scenic Recreation Area	11,032
ORWIF	MA-5a - Special Interest Areas	482
ORWIF	MA-6b - Elkhorn Wild & Scenic River (scenic)	2,745
ORWIF	MA-7 - Old Growth Groves	897
ORWIF	MA-9b - Wildlife Habitat-Pileated Woodpecker	870
ORWIF	MA-9c - Wildlife Habitat-Marten	328
ORWIF	MA-9d - Wildlife Habitat-Special Areas	74

Spatial Fire Planning Inventory

Category	Value	Data Source	Currency	Coverage
Aqua Retardant Avoidance	35,498 acres	National - FS Land Only	April 2020	National (USFS Units only)
Mgmt Req: Backcountry Lakes	145 acres	ORMHF	Current	Unit Level
Mgmt Req: Designated Viewshed	11,792 acres	ORMHF	Current	Unit Level
Mgmt Req: Developed Recreation	21 acres	ORMHF	Current	Unit Level
Mgmt Req: Earthflow	4,781 acres	ORMHF	Current	Unit Level
Mgmt Req: FMU01	64,952 acres	ORWIF	Current	Unit Level
Mgmt Req: FMU02	22,501 acres	ORWIF	Current	Unit Level
Mgmt Req: IRA	14,843 acres	ORWIF	Current	Unit Level
Mgmt Req: Inventoried Roadless	1,268 acres	ORMHF	Current	Unit Level
Mgmt Req: Key Site Riparian	29 acres	ORMHF	Current	Unit Level
Mgmt Req: LSR North	7,052 acres	ORWIF	Current	Unit Level
Mgmt Req: LWC	1,506 acres	ORNOD	Current	Unit Level
Mgmt Req: Late-Successional Reserve	10,311 acres	ORMHF	Current	Unit Level

Spatial Fire Planning Inventory

Category	Value	Data Source	Currency	Coverage
Mgmt Req: NSO CHU North	17,464 acres	ORWIF	Current	Unit Level
Mgmt Req: NWCO_North	41,532 acres	ORNOD	Current	Unit Level
Mgmt Req: NWCO_South	22,681 acres	ORNOD	Current	Unit Level
Mgmt Req: Research Natural Area	40 acres	ORMHF	Current	Unit Level
Mgmt Req: Roaded Rec (Semi Primitive)	3 acres	ORMHF	Current	Unit Level
Mgmt Req: Scenic Viewshed	3,936 acres	ORMHF	Current	Unit Level
Mgmt Req: Spec Emph Watershed FW	10,787 acres	ORMHF	Current	Unit Level
Mgmt Req: Special Emphasis Watershed	10,420 acres	ORMHF	Current	Unit Level
Mgmt Req: Special Interest Area	56 acres	ORMHF	Current	Unit Level
Mgmt Req: Special Old Growth	284 acres	ORMHF	Current	Unit Level
Mgmt Req: Special Old Growth- Earthflow	158 acres	ORMHF	Current	Unit Level
Mgmt Req: WSR_NE	4,192 acres	ORNOD	Current	Unit Level
Mgmt Req: WSR_South	2,863 acres	ORNOD	Current	Unit Level
Mgmt Req: Wild Scenic River	956 acres	ORMHF	Current	Unit Level
Mgmt Req: Wild Scenic River Earthflow	467 acres	ORMHF	Current	Unit Level
Mgmt Req: Wilderness Area	33,682 acres	ORMHF	Current	Unit Level
Mgmt Req: Wilderness Area RNA	590 acres	ORMHF	Current	Unit Level
Mgmt Req: Wood Product Emphasis	10,969 acres	ORMHF	Current	Unit Level
Retardant Avoidance	50 acres	USDA FS Enterprise Data Warehouse	04/2020	National (USFS Units only)

Incident Objective List

Activated	Incident Objective
09/14/2020	Implement suppression actions that have a high probability of success while weighing risk exposure to firefighters and the public.
09/14/2020	Ensure minimal impacts to firefighters and communities in respect to COVID-19.
09/14/2020	Implement suppression actions in consideration of values at risk in order to minimize adverse impacts while managing fire suppression costs.
09/14/2020	Maintain and strengthen relationships with partner agencies, local communities, and private land owners.

Incident Requirement List

Activated	Incident Requirement
08/19/2020	Provide Agency Administrator and Oregon Department of Forestry updates and briefings on incident status as conditons evolve.

Strategic Objective List

Unit	Shape/FMU	Activated	Strategic Objective
ORMHF	<Unit>	06/15/2016	All wildfires shall receive an "appropriate suppression response." Fire management planning should minimize "cost plus net value change", i.e., costs and changes to inherent resource values of the activity area should be minimized. IV-75 Preference should be given to the most restrictive standards and guidelines or provide the greatest benefits to late-successional forest related species (C-2) Protect and enhance conditions of late-successional and old-growth forest ecosystems, which serve as habitat for late-successional and old-growth related species, including the north spotted owl (C-11) Protect all cultural or heritage sites from damage caused naturally or otherwise.
ORMHF	Backcountry Lakes	06/17/2016	Protect or enhance the recreation, fish, wildlife, or scenic values of designated lakes. IV-282
ORMHF	Developed Recreation	06/17/2016	Goal- Provide a range of high quality outdoor recreational opportunities for concentrated recreational use readily accessible, appropriately designed developed sites. IV-186 DFC- Ranges from natural to an urbanized environment, although the background may have natural-appearing element. Vegetation management will often be evident. IV-186

Unit	Shape/FMU	Activated	Strategic Objective
ORMHF	Earthflow	06/17/2016	Goal-Maintain hydrologic and physical balances to prevent reactivation or acceleration of large, slow moving earthflow areas. IV-260
ORMHF	Key Site Riparian	06/17/2016	Goal- Maintain or enhance habitat and hydrologic conditions of selected riparian areas, notable for their exceptional diversity, high natural quality and key role in providing for the continued production of riparian dependent resource values. IV-179 DFC- Disturbance (e.g. wild fires, windthrown trees, and channel scouring) is localized and generally infrequent. Evidence of human activities may be present, but is subordinate to riparian characteristics. Riparian areas store large woody debris and trap sediment. Fallen, decayed trees and accumulation of litter and large organic material on the surface of the ground. Dynamic, multi-age communities promote floodplain, bank, and channel stability, provide resiliency to disturbance, and promote aquatic diversity. IV-180
ORMHF	Research Natural Area	06/17/2016	Goal- Preserve examples of natural ecosystems in an unmodified condition for research and education and to provide areas to serve as a baseline against which human impacts on natural systems can be measured. DFC-Contains a representative or unique plant community and serves as a gene pool reserve for native plant and animal species. Natural processes in undisturbed conditions predominate. Provides opportunities for research and studies of natural processes. IV-146
ORMHF	Roaded Rec (Semi Prim)	06/17/2016	Goal- Provide a variety of year-round dispersed motorized opportunities and opportunities for semi-primitive recreational experiences. IV-163 DFC- Predominately natural appearing environment with mountainous trails, primitive roads, and motorized recreation opportunities IV-163
ORMHF	Scenic Viewshed	06/17/2016	Goal- Provide attractive, visually appealing forest scenery with a wide variety of natural appearing landscape features. Utilize vegetation management activities to create and maintain a long term desired landscape character. IV-218
ORMHF	Special Emphasis Watershed	06/17/2016	Goal-Maintain or improve watershed, riparian, and aquatic habitat conditions and water quality for municipal uses and/or long term fish production. IV-246 DFC-Extensive stands of trees at various stages of development, arranged in a mosaic pattern. IV-247
ORMHF	Special Interest Area	06/17/2016	Goal-Protect and, where appropriate, foster public recreational use and enjoyment of important historic, cultural, and natural aspects of our national heritage. Preserve and provide interpretation of unique geological, biological, and cultural areas for education, scientific, and public enjoyment purposes. IV-151 DFC-Each area is uniquely formed by natural forces or historic human achievement. Predominately natural appearing environment with settings for recreation, learning, and reflection. IV-152
ORMHF	Special Old Growth	06/17/2016	Goal- Maintain old growth to provide for wildlife and plant habitat, ecosystem diversity, preservation of aesthetic qualities, and to provide opportunities for a high degree of interaction between people and forests with old growth character. IV-168 DFC-Climax vegetation dominates. The tree canopy is multi-layered, with canopy gaps and understory patchiness. Dead standing and fallen tree material is very much evident. Evidence of human activities may be present, but will be subordinate to the other characteristics of the site IV-168
ORMHF	Wild Scenic River- Scenic/Rec	06/17/2016	Goal- Protect and enhance the resource values for which the river was designated into the Wild and Scenic River System. The specific goals for Scenic and Recreational classified river segments are: Scenic- Maintain or enhance quality scenery and protect the essentially undeveloped character of the shoreline Recreational- Provide opportunities for recreational activities and maintain visual quality of the river corridor IV-208 DFC-Congressionally designated areas of National significance IV-209
ORMHF	Wilderness Area	06/17/2016	Goal- Promote, perpetuate, and preserve the wilderness character of the land; protect watersheds and wildlife habitat; preserve scenic and historic resources; and promote scientific research, primitive recreation, solitude, physical and mental challenge, and inspiration IV-136 DFC-May contain ecological, geological, or other features of scientific, educational, scenic or historical value. Generally appears to have been affected primarily by the forces of nature, evidence of human effects are minimal. IV-137

Unit	Shape/FMU	Activated	Strategic Objective
ORMHF	Wood Product Emphasis	06/17/2016	<p>Goal- Provide lumber, wood fiber, and other forest products on a fully regulated bases based on the capability and suitability of the land. IV-289</p> <p>DFC- Extensive stands of trees at various stages of development, arranged in a mosaic patter that is somewhat random but shows the clear influence of landform, productivity and management objectives.</p> <p>Many stands have some mature trees held over from previous stands. These trees have specific biological functions.</p> <p>Special sites such as campsites and overlooks are scattered throughout the area. IV-290</p>
ORNOD	<Unit>	05/25/2017	<p>Human Caused Wildfire: “Take immediate [initial¹] action to suppress all unplanned human-caused ignitions at the lowest cost commensurate with the protection of firefighter and public safety and welfare, and resulting in the fewest negative consequences to natural and cultural resources.”</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP, ¹Source: 2009 Guidance for Implementation of Federal Wildland Fire Management Policy</i></p>
ORNOD	NOD (TRW_LSI_WEW)	05/25/2017	<p>Wildfire Response:All NWCO - Except TRW, LSI, and WEW</p> <ul style="list-style-type: none"> • “Allow application of the full range of fire management options in responding to natural ignitions or escaped prescribed fires. These fires may be used to achieve management objectives when expected fire behavior and potential effects of a fire, or a part of a fire, are aligned with the management objectives and direction of the underlying land use allocation and affected resources. • Respond to wildfires in a manner that provides for public and firefighter safety while meeting land management objectives by utilizing the full range of fire management options. • Fire management strategies would be risk-based decisions that consider firefighter and public safety, values at risk, management objectives, and costs that are commensurate with the identified risk. • Manage fire, fuels, and wildfire response consistent with the National Cohesive Wildland Fire Management Strategy” <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	TRW	05/25/2017	<p>Wilderness: “The overall goal of managing fire in wilderness is to allow the frequency and intensity of an ecosystem’s natural fire regime to play its inherent role in that ecosystem. This means both allowing fire where ecosystems evolved in the presence of fire and preventing unnatural spread of fire in ecosystems that evolved without broad-scale fires.”</p> <p><i>Source: 2012 BLM Manual 6340 – Managing of Designated Wilderness Areas.</i></p>
ORWIF	<Unit>	06/20/2017	<p>Protection of human life and safety is the first priority for all actions taken on a wildfire and can overrule all other strategic and incident objectives and management and incident requirements.</p>
ORWIF	MA-1	04/14/2016	<p>MA-1 Wilderness</p> <p><u>Goal Statement-</u> MA-1 includes all designated Wilderness on the forest.MA is stratified into 4 subdivisions based on the Wilderness Resource Spectrum (WRS).Each WRS strata are individual MA designations with individual goals.See LRMP for specific goals by strata.</p> <p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Fires resulting from human activities shall be prevented, controlled, and suppressed. • Unplanned ignitions from natural causes that occur in Wilderness will be considered wildfire and shall be controlled or suppressed unless the decision is made to declare it a prescribed natural fire. A fire may be declared a prescribed natural fire once the prescribed natural fire direction has been approved in the Fire Management Action Plan.

Unit	Shape/FMU	Activated	Strategic Objective
			<ul style="list-style-type: none"> • Suppression practices should have the least physical impact on the land consistent with other management considerations. Preference should be given to the use of natural fuel breaks. • Fire management activities with Wilderness shall be compatible with Wilderness management objectives. Preference should be given to methods and equipment that minimize: alteration of the landscape; disturbance of surface vegetation and soil; disturbance of visitor solitude; reduction of visibility; adverse effects on air quality; disturbance to wildlife habitat or cultural resources. • After the fire is declared out, appropriate actions should be taken to rehabilitate and restore the site to a natural condition. • The need for mechanized equipment (portable pumps, power saws, etc.) in suppression efforts shall be determined by a relative risk assessment. • The use of tractors or ground disturbing mechanized equipment shall be approved by the Regional Forester. • The use of helicopters shall be approved by the Forest Supervisor.
ORWIF	MA-10c	04/14/2016	MA-10c Dispersed Recreation-Semiprimitive Motorized_ No Timber Harvest <u>Goal Statement-</u> <ul style="list-style-type: none"> • Provide a full spectrum of recreation opportunities meeting the criteria for a Semiprimitive Motorized experience through the management of user activities and natural resource settings. • Provide users the opportunity to experience a sense of solitude, tranquility, self-reliance and closeness to nature. • Provide for the conservation of unique geographic, topographic, biological, and ecological processes, as well as significant scenic, wildlife, recreation, and watershed values. <u>Standards and Guidelines-</u> <ul style="list-style-type: none"> • Suppression strategies, practices and activities shall be limited to those which have minimal effects on Semiprimitive Motorized recreation values.
ORWIF	MA-11a	04/14/2016	MA-11a Scenic-Modification Middleground <u>Goal Statement-</u> <ul style="list-style-type: none"> • Create and maintain desired visual characteristics of the forest landscape through time and space. • Visually sensitive landscapes will be managed for a modest level of scenic quality. • This area will also be managed for other resource goals including timber production, recreation opportunities, watershed protection, and maintenance of wildlife habitats.
ORWIF	MA-11c	04/14/2016	MA-11c Scenic-Partial Retention Middleground <u>Goal Statement-</u> <ul style="list-style-type: none"> • Create and maintain desired visual characteristics of the forest landscape through time and space. • Visually sensitive landscapes will be managed for a modest level of scenic quality. • This area will also be managed for other resource goals including timber production, recreation opportunities, watershed protection, and maintenance of wildlife habitats.
ORWIF	MA-11d	04/14/2016	MA-11d Scenic-Partial Retention Foreground <u>Goal Statement-</u> <ul style="list-style-type: none"> • Create and maintain desired visual characteristics of the forest landscape through time and space.

Unit	Shape/FMU	Activated	Strategic Objective
			<ul style="list-style-type: none"> Visually sensitive landscapes will be managed for a modest level of scenic quality. This area will also be managed for other resource goals including maintenance of wildlife habitats, recreation opportunities, watershed protection, and timber production.
ORWIF	MA-11f	04/14/2016	MA-11f Scenic-Retention Foreground <u>Goal Statement-</u> <ul style="list-style-type: none"> Create and maintain desired visual characteristics of the forest landscape through time and space. Visually sensitive landscapes will be managed for a modest level of scenic quality. This area will also be managed for other resource goals including maintenance of wildlife habitats, recreation opportunities, watershed protection, and timber production.
ORWIF	MA-12a	04/14/2016	MA-12a Developed Recreation-F.S. Site <u>Goal Statement-</u> <ul style="list-style-type: none"> Provide a safe, healthful, aesthetic, nonurban atmosphere for the pursuit of natural resource based recreation. Provide facilities and improvements, consistent with resource protection needs and anticipated user demand, where opportunities for meaningful recreation experiences exist. <u>Standards and Guidelines-</u> <ul style="list-style-type: none"> Suppression strategies, practices and activities shall be limited to those which have minimal effects on developed recreation values. Fires should be suppressed at the lowest acreage practicable.
ORWIF	MA-12b	04/14/2016	MA-12b Developed Recreation-Special Use Permits <u>Goal Statement-</u> <ul style="list-style-type: none"> Provide a safe, healthful, aesthetic, nonurban atmosphere for the pursuit of natural resource based recreation consistent with resource protection needs and anticipated user demand. Where opportunities for meaningful recreation experiences exist, provide facilities and services according to the terms of individual special use agreements with private individuals or organizations. <u>Standards and Guidelines-</u> <ul style="list-style-type: none"> Suppression strategies, practices and activities shall be limited to those which have minimal effects on recreation values. Fires should be suppressed at the lowest acreage practicable.
ORWIF	MA-13a	04/14/2016	MA-13a Special Use Permit Areas <u>Goal Statement-</u> <ul style="list-style-type: none"> Provide safe and efficient sites for permitted facilities and improvements to promote the public welfare in an environmentally sound manner. Maximize consistency of permitted uses with surrounding land uses.
ORWIF	MA-13b	04/14/2016	MA-13b F.S. Administrative Use Areas <u>Goal Statement-</u> <ul style="list-style-type: none"> Provide safe, adequate administrative facilities from which to accomplish land and resource management and protection objectives. Locate and design administrative facilities in a manner consistent with public needs and to the extent feasible compatible with management area allocation of the occupied site.

Unit	Shape/FMU	Activated	Strategic Objective
ORWIF	MA-14a	04/14/2016	<p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression strategies, practices, and activities shall take into account public and firefighter safety, the relative value of the structure and its contents, and the objectives of the adjacent management area. <p>MA-14a General Forest-Intensive Timber Management</p> <p><u>Goal Statement-</u></p> <ul style="list-style-type: none"> • Produce an optimum and sustainable yield of timber based on the growth potential of the land that is compatible with multiple use objectives and meets environmental requirements for soil, water, air and wildlife habitat quality. • Provide many opportunities for public use and enjoyment.
			<p>MA-2c Opal Creek Scenic Recreation Area</p> <p><u>Goal Statement-</u></p> <ul style="list-style-type: none"> • Protect and provide for the enhancement of the natural, scenic, recreational, historic and cultural resources of the area in the vicinity of Opal Creek. • Protect and support the economy of the communities of Santiam Canyon. • Provide increased protection for an important drinking water source for communities served by the North Santiam River. • Provide for a broad range of land uses, including recreation; harvesting of nontraditional forest products, such as gathering mushrooms and materials to make baskets; and educational and research opportunities. <p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression practices within the Opal Creek SRA should have the least physical impact on the land consistent with other management considerations. Minimal Impact Suppression Tactics (MIST) should be used during suppression efforts. Preference will be given to the use of natural fire breaks. In some cases direct attack with a minimum width of handline, or wet line using power driven pumps and hose may be more cost-effective and cause the least overall damage to SRA values.
ORWIF	MA-5a	04/14/2016	<p>MA-5a Special Interest Areas</p> <p><u>Goal Statement-</u></p> <ul style="list-style-type: none"> • Preserve lands in Special Interest Areas (SIAs) that contain exceptional scenic, cultural, biological, geological or other unusual characteristics. <p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression strategies, practices and activities shall be limited to those which have minimal effect on SIA values. • Fires should be suppressed at the lowest acreage practicable.
ORWIF	MA-6b	04/14/2016	<p>MA-6b Elkhorn Wild & Scenic River - Scenic</p> <p><u>Goal Statement-</u> Scenic River Management Area will be managed to:</p> <ul style="list-style-type: none"> • Maintain or enhance the condition of the high quality scenery and the largely undeveloped character of the shoreline. • Maintain and improve the quality of water which enters the river. • Maintain and improve fire and wildlife habitat. • Provide opportunities for river-oriented recreation which are consistent with the largely undeveloped nature of the segment and dependent on free-flowing conditions. • Utilize other resources and permit other activities which maintain or enhance the quality of the wildlife habitat, river fisheries, scenic attractions, or recreation values. • Comply with all standards for Scenic Rivers specified in FSH 1909.12, Chapter 8 (1987).

Strategic Objective List

Unit	Shape/FMU	Activated	Strategic Objective
ORWIF	MA-7	04/14/2016	<p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression strategies, practices and activities shall be limited to those which have minimal effects on Scenic river values. • Fires should be suppressed at the lowest acreage practicable. <p>MA-7 Old Growth Groves</p> <p><u>Goal Statement-</u></p> <ul style="list-style-type: none"> • Preserve representative ecosystem of old-growth forests of the Western Cascades. • Provide opportunities for the public to enjoy the educational, aesthetic and spiritual values associated with the old-growth timber successional stage. <p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression strategies, practices and activities shall be limited to those which have minimal impacts to old-growth grove values.
			<p>MA-9b Wildlife Habitat-Pileated Woodpecker</p> <p><u>Goal Statement-</u></p> <ul style="list-style-type: none"> • Protect mature old-growth habitat for all dependent flora and fauna by providing habitat networks for the pileated woodpecker, an ecological indicator species. <p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression strategies, practices and activities shall be limited to those which have minimal effects to PWA values. • Fires should be suppressed at the lowest acreage practicable.
			<p>MA-9c Wildlife Habitat-Marten</p> <p><u>Goal statement-</u></p> <ul style="list-style-type: none"> • Protect mature and old-growth habitat for all dependent flora and fauna by providing habitat networks for the marten, an ecological indicator species. <p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression strategies, practices and activities shall be limited to those which have minimal effects of MHA values. • Fires should be suppressed at the lowest acreage practicable.
			<p>MA-9d Wildlife Habitat-Special Areas</p> <p><u>Goal statement-</u></p> <ul style="list-style-type: none"> • Protect or enhance unique wildlife habitats and botanical sites which are important components of healthy, biologically diverse ecosystems. <p><u>Standards and Guidelines-</u></p> <ul style="list-style-type: none"> • Suppression strategies, practices and activities shall be limited to those which have minimal effects on special habitat values. • Fires should be suppressed at the lowest acreage practicable.

Management Requirement List

Unit	Shape/FMU	Activated	Management Requirement
	Aqua Retardant Avoidance	06/18/2013	<p>The aerial application of fire retardant is allowed for fighting fires. Aerially delivered fire retardant should not be applied to any mapped aquatic avoidance area, waterway or buffer. The only exception to using aerially applied fire retardant in avoidance areas is for the protection of human life or public safety. The Incident Commander is the decision maker.</p> <p>Information concerning the Record of Decision for the Aerial Application of Fire Retardant is available at https://www.fs.fed.us/fire/retardant/index.html</p>
	Retardant Avoidance	05/31/2012	<p>The aerial application of fire retardant is allowed for fighting fires. Aerially delivered fire retardant should not be applied to any mapped terrestrial avoidance area, waterway or</p>

Unit	Shape/FMU	Activated	Management Requirement
ORMHF	<Unit>	06/15/2016	<p>buffer. The only exception to using aerially applied fire retardant in avoidance areas is for the protection of human life or public safety. The Incident Commander is the decision maker.</p> <p>Information concerning the Record of Decision for the Aerial Application of Fire Retardant is available at https://www.fs.fed.us/fire/retardant/index.html</p> <p>Resource Advisors shall be assigned when necessary to achieve Management Area management direction IV-77.</p> <p>Cultural- A Cultural resource advisor should be consulted to determine if effects of fire are favored over effects of suppression activities.</p> <p>Visual Resource Mgmt- Fire suppression actions should be planned to achieve the prescribed VQOs IV-115.</p> <p>Riparian Reserves (WFDSS is unable to map these, see GIS data for locations):</p> <p>FM-1- fire suppression strategies should minimize disturbance of riparian ground cover and vegetation.</p> <p>FM-2-Locate incident bases, camps, helibases, staging areas, helispots and other centers for incident activities outside Riparian Reserves. If the only suitable location for such activities is within the Riparian Reserve, an exemption may be granted following review and recommendation by a resource advisor.</p> <p>FM-3-Minimize delivery of chemical retardant, foam, or additives to surface waters. An exception may be warranted in situations where overriding immediate safety imperatives exist, or, following review and recommendation by a resource advisor, when an escape would cause more long-term damage.</p> <p>FM-5- Immediately establish an emergency team to develop a rehabilitation treatment plan needed to attain Aquatic Conservation Strategy objectives whenever Riparian Reserves are significantly damaged by wildfire.</p> <p>Other - In Riparian Reserves, the goal of wildfire suppression is to limit the size of all fires. In Riparian Reserves, water drafting sites should be located and managed to minimize adverse effects on riparian habitat and water quality, as consistent with Aquatic Conservation Strategy objectives (C-35)</p> <p>Locate water drafting sites to minimize adverse effects to stream channel stability, sedimentation, and in-stream flows needed to maintain riparian resources, channel conditions, and fish habitat (C-37)</p>
ORMHF	Backcountry Lakes	06/15/2016	See Unit Wide Management Requirements.
ORMHF	Designated Viewshed	06/15/2016	<p>Fire suppression actions should be planned to achieve the prescribed VQOs V-115</p> <p>Rehabilitation of fire suppression activities should be implemented in landscapes where Retention and Partial Retention VQOs are prescribed if visual quality has been impaired V-115</p> <p>The prescribed VQO should be achieved within one year after completion of any project activities. Short term deviations from prescribed VQO may occur after catastrophic events, e.g. fire, windstorm, earthquake, and insect damage IV-113</p>
ORMHF	Developed Recreation	06/15/2016	See Unit Wide Management Requirements
ORMHF	Earthflow	06/15/2016	Tractor firelines should not be constructed across the toe or scarp of high or moderate risk earthflows IV-265
ORMHF	Inventoried Roadless	06/15/2016	Any necessary timber cutting or removal or any road construction or road reconstruction in emergency situations involving wildfire suppression, search and rescue operations, or other imminent threats to public health and safety in inventoried roadless areas.
ORMHF	Key Site Riparian	06/15/2016	<p>Wildlife trees and snags shall be maintained to provide for at least 90 percent of the maximum biological potential for primary cavity nesting species IV-182</p> <p>Vegetation manipulation activities to maintain open meadows should be encouraged e.g. prescribed fire. IV-183</p> <p>Heavy equipment (e.g. tractors) should not be used for fire suppression IV-184</p>
ORMHF	Late-Successional Reserve	06/15/2016	<p>The wildfire management goal in LSRs is to keep all stand-replacing events as small as possible while at the same time ensuring that firefighter and public safety is the highest priority. (LSRAs)</p> <p>During actual fire suppression activities, fire managers will consult with resource specialists (e.g., botanists, fisheries and wildlife biologists, hydrologists) familiar with the area, these standards and guidelines, and their objectives, to assure that habitat damage is minimized.</p> <p>Minimize suppression impacts to habitat by using MIST when safe and effective to do so.</p> <p>Retain large woody debris to the extent possible by extinguishing such material. (C18)</p>
ORMHF	Research Natural Area	06/15/2016	<p>All forms of off-road vehicle use shall be prohibited.</p> <p>Preference shall be given to those suppression methods and strategies resulting in the least practicable area burned, commensurate with cost effectiveness, and having the least effect on the studies and values in the Research Natural Area.</p>

Unit	Shape/FMU	Activated	Management Requirement
			Human-caused wildfires shall be suppressed. Application of fire retardant or use of tractors should not occur during fire suppression action. A naturally occurring ignition should be managed as a prescribed fire unless declared a wildfire. Fire rehabilitation activities shall be consistent with RNA management direction. IV-149-150
ORMHF	Roaded Rec (Semi Primitive)	06/15/2016	See Unit Wide Management Requirements
ORMHF	Scenic Viewshed	06/15/2016	See Unit Wide Management Requirements
ORMHF	Spec Emph Watershed FW	06/15/2016	Within selected "Special Emphasis Watersheds" (Map 4-3 (IV-56)), watershed impact areas should exceed the "thresholds of concern" (TOC) for watershed stability displayed in Table 4-12 (IV-55).
ORMHF	Special Emphasis Watershed	06/15/2016	See Unit Wide Management Requirements
ORMHF	Special Interest Area	06/15/2016	See Unit Wide Management Requirements
ORMHF	Special Old Growth	06/15/2016	See Unit Wide Management Requirements
ORMHF	Special Old Growth-Earthflow	06/15/2016	Tractor firelines should not be constructed across the toe or scarp of high or moderate risk earthflows IV-266
ORMHF	Wild Scenic River	06/15/2016	Off-road vehicle travel within the designated river corridors shall not be permitted except for emergency fire suppression purposes. Use of tractors to construct firelines may be permitted only in emergency fire suppression situation. Fireline locations shall consider protection of river related resource values. IV-217
ORMHF	Wild Scenic River Earthflow	06/15/2016	Off-road vehicle travel within the designated river corridors shall not be permitted except for emergency fire suppression purposes. Use of tractors to construct firelines may be permitted only in emergency fire suppression situation. Fireline locations shall consider protection of river related resource values. IV-217 Tractor firelines should not be constructed across the toe or scarp of high or moderate risk earthflows IV-265
ORMHF	Wilderness Area	06/15/2016	Off-road vehicle use shall be prohibited. IV-143 Preference shall be given to those suppression methods and strategies resulting in the least practicable area burned, commensurate with cost effectiveness, and having the least effect on wilderness values. Human caused wildfires shall be suppressed. Naturally occurring ignitions should be managed as prescribed fire unless declared a wildfire. IV-144
ORMHF	Wilderness Area RNA	06/15/2016	All forms of off-road vehicle use shall be prohibited. Preference shall be given to those suppression methods and strategies resulting in the least practicable area burned, commensurate with cost effectiveness, and having the least effect on the studies and values in the Research Natural Area. Human-caused wildfires shall be suppressed. Application of fire retardant or use of tractors should not occur during fire suppression action. A naturally occurring ignition should be managed as a prescribed fire unless declared a wildfire. Fire rehabilitation activities shall be consistent with RNA management direction. IV-149-150
ORMHF	Wood Product Emphasis	06/15/2016	See Unit Wide Management Requirements
ORNOD	<Unit>	05/25/2017	Application of fire retardant: Aerial Delivery Policy: Avoid aerial application of all wildland fire chemicals within 300 ft of waterways. Whenever practical, as determined by the fire incident commander, use water or other less toxic approved fire retardants in area occupied by threatened, endangered, proposed, candidate or sensitive species (TEPCS) or their designated critical habitats. Ground Delivery Policy: Avoid application of all wildland fire chemicals into waterway. Follow reporting requirements provided in the Redbook Ch. 12 if application of wildland fire chemicals occurs in avoidance areas. <i>Source: Redbook Ch. 12 Interagency Policy for Aerial and Ground Delivery of Wildland Fire Chemicals Near Waterways and Other Avoidance Areas and</i>

Unit	Shape/FMU	Activated	Management Requirement
			<i>Reporting Requirements of Aerially Delivered Wildland Fire Chemicals into Waterways, Waterway Buffer Areas and Mapped Avoidance Areas.</i>
ORNOD	<Unit>	05/25/2017	<p>Special Status Species: "Actions authorized by the BLM shall further the conservation and/or recovery of federally listed species and conservation of Bureau sensitive species. Bureau sensitive species will be managed consistent with species and habitat management objectives in land use and implementation plans to promote their conservation and to minimize the likelihood and need for listing under ESA." <i>Source: 2008 BLM Manual 6840 Special Status Species Management.</i></p>
ORNOD	LWC	05/25/2017	<p>District Designated Reserve Lands Managed for their Wilderness Characteristics: "During wildfire management operations use strategies and tactics that would protect wilderness characteristics, except where the wildfire is deemed a threat to human safety or private property or where use is essential for wildfire control, as determined by the Incident Commander." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_North	05/25/2017	<p>Cultural/Archeological: As appropriate initiate emergency consultation with tribes and SHPO to identify cultural resources at risk from wildfire or suppression actions and to identify archaeological and historic sites and structures and recommend appropriate level of protection. Avoid/ minimize impacts to known or suspected important archaeological sites, historic structures, religious or sacred sites, and places of traditional cultural significance. <i>Source: National Historic Preservation Act Section 106 regulations 36CFR800 (Protection of Historic Properties).</i></p> <p>"Preserve and protect significant cultural resources and ensure that they are available for appropriate uses by present and future generations. Reduce imminent threats and resolve potential conflicts from natural or human caused deterioration or potential conflict with other resources by ensuring that all authorizations for land and resource use comply with Section 106 of the National Historic Preservation Act." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_North	05/25/2017	<p>Wildfire Suppression Best Management Practices</p> <p>"Limit fire lines inside Riparian Reserve. Construct fire lines by hand on all slopes greater than 35 percent and inside the Riparian Reserve Inner Zone. Limit heavy equipment to slopes less than 35 percent.</p> <p>Locate fire lines to minimize directing water into waterbodies, wetlands, headwalls, or areas of instability. Use erosion control techniques such as tilling, waterbarring, or debris placement on fire lines when there is potential for soil erosion and delivery to waterbodies, floodplains, and wetlands. Space waterbars as shown in Table C-6. Block dozer lines and roads or landing intersections with an approved barricade or scattered slash to preclude public motorized vehicle use.</p> <p>Avoid cutting logs that extend into the stream channel.</p> <p>Fall snags in the Riparian Reserve towards the stream channel when felling is necessary for safety or fire suppression activities.</p> <p>Avoid locating incident bases, camps, helibases, staging areas, constructed helispots, and other centers for incident activities in Riparian Reserve or within 200 feet of any waterbody, floodplain, or wetland. Allow water drafting sites for engines and tankers.</p> <p>Locate and maintain portable sanitation facilities at incident bases, camps (including spike/ remote camps), helibases, staging areas, constructed helispots, and other centers for incident activities in accordance with State and local regulations.</p> <p>Avoid application of chemical retardant, foam, or other chemicals to waterways, maintain a 300 ft. buffer (FA-IM-2008- 029), unless the wildfire is deemed a threat to human safety or private property or where use is essential for wildfire control, as determined by the Incident Commander. Apply aerial retardant adjacent to Riparian Reserve by making parallel passes." <i>Source: 2016 SW OR and NW & Coastal OR RMP Appendix C</i></p>

Unit	Shape/FMU	Activated	Management Requirement
ORNOD	NWCO_North	05/25/2017	Harvest Land Base: "Manage forest stands to achieve continual timber production that can be sustained through a balance of growth and harvest. Offer for sale the declared Allowable Sale Quantify of timber. Recover economic value from timber following disturbances, such as fires, windstorms, disease, or insect infestations. In harvested or disturbed areas, ensure the establishment and survival of desirable trees appropriate to the site and enhance their growth. Enhance the economic value of timber in forest stands." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Late-Successional Reserves: "Maintain nesting roosting habitat for the northern spotted owl and nesting habitat for the marbled murrelet. Promote the development of nesting-roosting habitat for the northern spotted owl in stands that do not currently support northern spotted owl nesting and roosting. Promote the development of nesting habitat for the marbled murrelet in stands that do not currently meet nesting habitat criteria. Promote the development and maintenance of foraging habitat for the northern spotted owl, including creating and maintaining habitat to increase diversity and abundance of prey for the northern spotted owl." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Riparian Reserves: "Contribute to the conservation and recovery of ESA-listed fish species and their habitat and provide for conservation of Bureau Special Status fish and other Bureau Special Status riparian-associated species. Maintain and restore natural channel dynamics, processes, and the proper functioning condition of riparian areas, stream channel, and wetlands by providing forest shade, sediment filtering, wood recruitment, stream bank and channel stability, water storage and release, vegetation diversity, nutrient cycling, and cool and moist microclimates. Maintain water quality and streamflows with the range of natural variability, to protect aquatic biodiversity, provide water quality for contact recreation and drinking water sources. Meet ODEQ water quality criteria. Maintain high quality water and contribute to the restoration of degraded water quality for 303(d)-listed streams. Maintain high quality waters within ODEQ-designated Source Water Protection watersheds." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Air Quality: "Use BMPs (Appendix C) to reduce dust from unpaved road surfaces during extended management operations such as timber sales and wildfire management actions/activities. Example practice include applying dust suppressants." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Fisheries: "Improve the distribution and quantity of high-quality fish habitat across the landscape for all life stages of ESA-listed, Bureau Special Status Species, and other fish species. Maintain and restore access to stream channels for all life stages of aquatic species." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Wildlife: "Manage habitat for species that are ESA-listed, or are candidates for listing, consistent with recovery plans, conservation agreements, and designated critical habitat. Utilize information on known sites of ESA-listed wildlife when conducting fire management operations that could result in habitat modification or species disturbance." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Forest Management: "Enhance the health, stability, growth, and vigor of forest stands. In harvested or disturbed areas, ensure the establishment and survival of desirable vegetation appropriate to the site." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>

Unit	Shape/FMU	Activated	Management Requirement
ORNOD	NWCO_North	05/25/2017	Hydrology: "Select and implement site-level BMPs (Appendix C) to maintain water quality for BLM actions (including, but not limited to...wildfire management actions/activities)..." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Invasive Species: "Prevent the introduction of invasive species and the spread of existing invasive species infestations." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Paleontological Resources: "Protect and preserve significant localities from natural or human-caused deterioration of potential conflict with other resources." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Rare Plants and Fungi: "Provide for conservation and contribute toward the recovery of plant species that are ESA-listed or candidates. Support the persistence and resilience of natural communities, including those associated with forests, oak woodlands, shrublands, grasslands, cliffs, rock outcrops, talus slopes, meadows, and wetlands. Support ecological processes and disturbance mechanisms to allow for a range of seral conditions. Provide for the conservation of Bureau Special Status plant and fungi species. Support the persistence and resilience of oak species within oak woodlands and within mixed hardwood/conifer communities." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_North	05/25/2017	Visual Resource Management: "Protect scenic values on public lands where visual resources are an issue or where high-value visual resources exist. Prohibit activities that would disrupt the existing character of the landscape in Visual Resource Management Class I areas. Retain the existing character of the landscape in Visual Resource Management Class II areas. Partially retain the existing character of the landscape in Visual Resource Management Class III areas. Allow for major modification of the existing character of the landscape in Visual Resource Management Class IV areas." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_South	05/25/2017	Cultural/Archeological: As appropriate initiate emergency consultation with tribes and SHPO to identify cultural resources at risk from wildfire or suppression actions and to identify archaeological and historic sites and structures and recommend appropriate level of protection. Avoid/ minimize impacts to known or suspected important archaeological sites, historic structures, religious or sacred sites, and places of traditional cultural significance. <i>Source: National Historic Preservation Act Section 106 regulations 36CFR800 (Protection of Historic Properties).</i> "Preserve and protect significant cultural resources and ensure that they are available for appropriate uses by present and future generations. Reduce imminent threats and resolve potential conflicts from natural or human caused deterioration or potential conflict with other resources by ensuring that all authorizations for land and resource use comply with Section 106 of the National Historic Preservation Act." <i>Source: 2016 SW OR and NW & Coastal OR RMP</i>
ORNOD	NWCO_South	05/25/2017	Harvest Land Base: "Manage forest stands to achieve continual timber production that can be sustained through a balance of growth and harvest. Offer for sale the declared Allowable Sale Quantify of timber. Recover economic value from timber following disturbances, such as fires, windstorms, disease, or insect infestations. In harvested or disturbed areas, ensure the establishment and survival of desirable trees appropriate to the site and enhance their growth. Enhance the economic value of timber in forest stands."

Unit	Shape/FMU	Activated	Management Requirement
<i>Source: 2016 SW OR and NW & Coastal OR RMP</i>			
ORNOD	NWCO_South	05/25/2017	<p>Late-Successional Reserves:</p> <p>“Maintain nesting roosting habitat for the northern spotted owl and nesting habitat for the marbled murrelet. Promote the development of nesting-roosting habitat for the northern spotted owl in stands that do not currently support northern spotted owl nesting and roosting. Promote the development of nesting habitat for the marbled murrelet in stands that do not currently meet nesting habitat criteria. Promote the development and maintenance of foraging habitat for the northern spotted owl, including creating and maintaining habitat to increase diversity and abundance of prey for the northern spotted owl.</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Riparian Reserves:</p> <p>“Contribute to the conservation and recovery of ESA-listed fish species and their habitat and provide for conservation of Bureau Special Status fish and other Bureau Special Status riparian-associated species. Maintain and restore natural channel dynamics, processes, and the proper functioning condition of riparian areas, stream channel, and wetlands by providing forest shade, sediment filtering, wood recruitment, stream bank and channel stability, water storage and release, vegetation diversity, nutrient cycling, and cool and moist microclimates. Maintain water quality and streamflows with the range of natural variability, to protect aquatic biodiversity, provide water quality for contact recreation and drinking water sources. Meet ODEQ water quality criteria. Maintain high quality water and contribute to the restoration of degraded water quality for 303(d)-listed streams. Maintain high quality waters within ODEQ-designated Source Water Protection watersheds.”</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Fisheries:</p> <p>“Improve the distribution and quantity of high-quality fish habitat across the landscape for all life stages of ESA-listed, Bureau Special Status Species, and other fish species. Maintain and restore access to stream channels for all life stages of aquatic species.”</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Wildlife:</p> <p>“Manage habitat for species that are ESA-listed, or are candidates for listing, consistent with recovery plans, conservation agreements, and designated critical habitat.</p> <p>Utilize information on known sites of ESA-listed wildlife when conducting fire management operations that could result in habitat modification or species disturbance.”</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Visual Resource Management:</p> <p>“Protect scenic values on public lands where visual resources are an issue or where high-value visual resources exist. Prohibit activities that would disrupt the existing character of the landscape in Visual Resource Management Class I areas. Retain the existing character of the landscape in Visual Resource Management Class II areas. Partially retain the existing character of the landscape in Visual Resource Management Class III areas. Allow for major modification of the existing character of the landscape in Visual Resource Management Class IV areas.”</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Wildfire Suppression Best Management Practices</p> <p>“Limit fire lines inside Riparian Reserve. Construct fire lines by hand on all slopes greater than 35 percent and inside the Riparian Reserve Inner Zone. Limit heavy equipment to slopes less than 35 percent.</p> <p>Locate fire lines to minimize directing water into waterbodies, wetlands, headwalls, or areas of instability. Use erosion control techniques such as tilling, waterbarring, or debris placement on fire lines when there is potential for soil erosion and delivery to waterbodies,</p>

Unit	Shape/FMU	Activated	Management Requirement
			<p>floodplains, and wetlands. Space waterbars as shown in Table C-6. Block dozer lines and roads or landing intersections with an approved barricade or scattered slash to preclude public motorized vehicle use.</p> <p>Avoid cutting logs that extend into the stream channel.</p> <p>Fall snags in the Riparian Reserve towards the stream channel when felling is necessary for safety or fire suppression activities.</p> <p>Avoid locating incident bases, camps, helibases, staging areas, constructed helispots, and other centers for incident activities in Riparian Reserve or within 200 feet of any waterbody, floodplain, or wetland. Allow water drafting sites for engines and tankers.</p> <p>Locate and maintain portable sanitation facilities at incident bases, camps (including spike/remote camps), helibases, staging areas, constructed helispots, and other centers for incident activities in accordance with State and local regulations.</p> <p>Avoid application of chemical retardant, foam, or other chemicals to waterways, maintain a 300 ft. buffer (FA-IM-2008- 029), unless the wildfire is deemed a threat to human safety or private property or where use is essential for wildfire control, as determined by the Incident Commander. Apply aerial retardant adjacent to Riparian Reserve by making parallel passes."</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP Appendix C</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Air Quality:</p> <p>"Use BMPs (Appendix C) to reduce dust from unpaved road surfaces during extended management operations such as timber sales and wildfire management actions/activities. Example practice include applying dust suppressants."</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Forest Management:</p> <p>"Enhance the health, stability, growth, and vigor of forest stands. In harvested or disturbed areas, ensure the establishment and survival of desirable vegetation appropriate to the site."</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Hydrology:</p> <p>"Select and implement site-level BMPs (Appendix C) to maintain water quality for BLM actions (including, but not limited to...wildfire management actions/activities)..."</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Invasive Species:</p> <p>"Prevent the introduction of invasive species and the spread of existing invasive species infestations."</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	NWCO_South	05/25/2017	<p>Paleontological Resources:</p> <p>"Protect and preserve significant localities from natural or human-caused deterioration of potential conflict with other resources."</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORNOD	WSR_NE	05/25/2017	<p>National Wild and Scenic River Corridors and river corridors suitable and eligible but not studied for inclusion or included yet: "Protect and enhance the free-flowing condition, water quality, and outstanding remarkable values of eligible, suitable, and designated Wild and Scenic River corridors.</p> <p>During wildfire management operations, use strategies and tactics that would protect the outstandingly remarkable values and classifications (or tentative classifications) within Wild and Scenic River corridors, except where wildfire is deemed a threat to human safety or private property, or where use is essential for wildfire control, as determined by the Incident Commander."</p>

Unit	Shape/FMU	Activated	Management Requirement
<i>Source: 2016 SW OR and NW & Coastal OR RMP</i>			
ORNOD	WSR_South	05/25/2017	<p>National Wild and Scenic River Corridors and river corridors suitable and eligible but not studied for inclusion or included yet: "Protect and enhance the free-flowing condition, water quality, and outstanding remarkable values of eligible, suitable, and designated Wild and Scenic River corridors.</p> <p>During wildfire management operations, use strategies and tactics that would protect the outstandingly remarkable values and classifications (or tentative classifications) within Wild and Scenic River corridors, except where wildfire is deemed a threat to human safety or private property, or where use is essential for wildfire control, as determined by the Incident Commander."</p> <p><i>Source: 2016 SW OR and NW & Coastal OR RMP</i></p>
ORWIF	<Unit>	04/14/2016	<p>Special Interest Areas</p> <p>Use methods and equipment that will minimize disturbance to the special features of the area. Locate fire camps, helispots, and other temporary facilities or improvements outside the area if possible.</p>
ORWIF	<Unit>	04/14/2016	<p>Riparian Reserves- NORTHWEST FOREST PLAN</p> <p>The goal of wildfire suppression in Riparian Reserves is to limit wildfire size. When Watershed and/or Landscape Analysis are completed and approved, natural fires ignited by lightning may be managed to meet Riparian Reserve resource objectives described therein.</p> <p>[Escaped fire] strategies should recognize the role of fire in ecosystem management and identify those instances where suppression activities could be damaging to long term ecosystem function.</p> <p>Design suppression strategies to minimize the disturbance of ground cover and vegetation.</p> <p>Rapidly extinguishing smoldering coarse woody debris and duff should be considered to preserve these ecosystem elements. To the greatest extent possible, avoid placement of suppression lines in areas where in-stream and floodplain large wood would need to be cut due to subsequent impacts on aquatic organism habitat.</p> <p>Locate incident bases, camps, helibases, staging areas, helispots and other centers for incident activities outside of the Riparian Reserves. An exemption may be granted by a resource advisor if no other suitable location exists. The advisor will prescribe the location, use condition, and rehabilitation requirements.</p> <p>Water drafting sites should be located and managed to minimize adverse effects on riparian habitat and water quality. Immediately establish an emergency team to develop a rehabilitation plan needed to attain Aquatic Conservation Strategy requirements whenever Riparian Reserves are significantly damaged by wildfire.</p> <p>Minimize delivery of chemical retardant, foam, or additives to surface waters. An exception may be warranted in situations where overriding immediate safety imperatives exist, or, following review and recommendation by a resource advisor, when an escape will cause more long-term damage (amended by the 2008 USFS Aerial Application of fire Retardant Record of Decision, see the Nationwide Management Requirements for Aquatic and Terrestrial Retardant Avoidance).</p>

Unit	Shape/FMU	Activated	Management Requirement
			Consult with READ personnel before reopening mid-slope or riparian roads in Riparian Reserves that have been stored or decommissioned for aquatic resource benefit.
ORWIF	<Unit>	04/18/2016	<p>CULTURAL RESOURCES Standards and Guidelines-</p> <ul style="list-style-type: none"> Measures shall be developed to protect significant sites from adverse effects due to ground disturbing and other activities. Eligible cultural resources shall be protected from depredation and natural destruction. Eligible historic sites and historic trails shall be maintained and/or adverse effects shall be mitigated. Mitigation measures established during the environmental analysis of a given project shall be monitored to maintain a current record of site conditions. Tracking of the mitigation plan is necessary during and following ground-disturbing activities. <p>Consult qualified archaeologist on the unit to determine potential for impacts to cultural resources;</p> <p>Assign a qualified archeologist as a resource advisor to any wildfire where there is a considerable potential for risk to significant cultural resources.</p> <p>Utilize local Heritage specialists, if possible, prior to engagement and in the planning process to identify categories of archaeological sites present and recommend the appropriate level of protection in accordance with Forest Service Manual 2360, (Emergency Undertaking) clauses of Section 106 of the National Historic Preservation Act.</p> <p>Consult local cultural resource specialists and Native American (tribal) representatives, if possible, prior to engagement and in the planning process to identify Native American traditional cultural areas, and to identify protection measures.</p> <p>Utilize local tribal fire crews and resource advisors when available.</p>
ORWIF	FMU01	04/14/2016	<p>Forest Wide Standards and Guidelines – General Forest</p> <ul style="list-style-type: none"> All wildfires shall receive an Appropriate Suppression Response. The associated strategies and tactics should be the most cost-effective commensurate with the objectives for the management area on which the fire occurs. An on-site analysis should be utilized to identify the appropriate fire suppression strategy which is most cost-effective and environmentally acceptable. A control strategy shall be utilized where public or firefighter safety is threatened.
ORWIF	FMU02	04/14/2016	<p>Forest Wide Standards and Guidelines – Wilderness</p> <ul style="list-style-type: none"> All naturally occurring fires in Wilderness shall be treated as wildfires unless an approved Wilderness Fire Management Implementation Plan exists (FMS 2324). In suppression of wildfire, preference should be given to those suppression methods and strategies that result in limiting the burned area to within the Wilderness boundary. Other factors to consider include cost-effectiveness, the preservation of the Wilderness values, and the threat to people, other resource values or private property. All fires that do not meet the standards set forth for prescribed fire shall be suppressed in an appropriate manner A Control Strategy shall be utilized where public or firefighter safety is threatened. A WFDSS decision shall be prepared for a wildfire which is not contained/controlled at 10 acres or less in size or any fire if containment is not expected prior to the second burning period.

Unit	Shape/FMU	Activated	Management Requirement
			<ul style="list-style-type: none"> • Suppression practices should have the least physical impact on the land consistent with other management considerations. Preference will be given to use of natural fuel breaks. • Crew camps should be small and located away from popular camping areas. Camps should be rehabilitated after the fire, removing all litter, hose, gas cans, or other evidence of human occupation. • An assessment of the environmental impacts should be made before using retardants to determine if the advantages outweigh the disadvantages. • Helispots requiring no ground disturbance should be utilized first. Construction of helispots will have minimum ground disturbance and not result in an unacceptable impact to the Wilderness. • Felling of snags should be restricted to the absolute minimum for containment and/or safety purposes. • After the fire is declared out, appropriate actions should be taken to rehabilitate and restore the site to a natural condition. • Where modified suppression practices have been used, care should be taken to ensure that the fire is completely out.
ORWIF	IRA	06/17/2016	<p>INVENTORIED ROADLESS AREA</p> <p>Inventoried Roadless Area(s) have been identified within the planning area. As a reminder, on May 31, 2012, the Chief of the Forest Service reserved the authority to review all projects involving road construction or reconstruction and the cutting, sale, or removal of timber in Inventoried Roadless Areas (IRAs). The Chief delegated to Regional Foresters the authority to review <i>“Any necessary timber cutting or removal or any road construction or road reconstruction in emergency situations involving wildfire suppression, search and rescue operations, or other imminent threats to public health and safety in inventoried roadless areas.”</i></p> <p>In order to comply with the Chief's direction, any forest that is considering timber cutting and/or road construction/reconstruction during emergency situations as described above should <i>contact the Regional Forester's Office as soon as practical.</i> The Regional Forester will review the proposed emergency timber cutting and/or road construction/reconstruction activities with the appropriate line officer in accordance with the Chief's delegation of authority.</p> <p>Reminder Issued 07/31/2014</p>
ORWIF	LSR North	04/14/2016	<p>Late Successional Reserves: NORTHWEST FOREST PLAN</p> <p>Plans for wildfire suppression will emphasize maintaining late successional habitat. During actual fire suppression activities, fire managers will consult with resource specialists familiar with the area. Until a fire management plan is completed for Late Successional Reserves, suppress all wildfire to avoid the loss of habitat in order to maintain future management options.</p> <p>In Late Successional Reserves, the goal of wildfire suppression is to limit the size of all fires. When planning is completed, some natural fires may be allowed to burn under prescribed conditions. Rapidly extinguishing smoldering coarse woody debris and duff should be considered to preserve these ecosystem elements.</p>
ORWIF	NSO CHU North	04/14/2016	<p>Northern Spotted Owl Critical Habitat Unit (CHU)</p> <p>Use suppression methods and equipment that minimize disturbance to the land surface and vegetation. Fell snags and large old live trees only if they either are safety hazards or will hamper control efforts, resulting in further resource damage. Rehabilitate the fire area after suppression actions to return it to a natural condition consistent with Management Area objectives.</p>

1.8. Course of Action

Course of Action

Active	Inactive	Action Item
09/14/2020		Implement a full suppression course of action prioritizing resource utilization on protecting the highest values at risk. Minimize exposure to incident personnel by engaging in strategies and tactics that will have a high probability of success.

1.9. Cost

Estimated Final Cost

NAME	VALUE
Estimated Final Cost	\$30,000,000
Method(s) Used	Other

Comments

Estimated costs based on projected incident duration and historic costs for large fires on the local unit.

1.10. Rationale

Beachie Creek Decision

The Beachie Creek fire began in steep, rugged terrain with limited and unsafe access options for firefighters. On the evening of September 7th the fire was influenced by a sustained east wind event that drove the fire to the west and combined with other new incidents to dramatically increase the size of the incident, which is now estimated to be about 190,000 acres. Numerous communities have been impacted by the fire and loss of structures has been substantial. Loss of both life and property from the incident is still being determined.

The incident is being managed as a full suppression incident and current objectives on the incident include protection of life, property, and natural resources. The current command structure is comprised of an Area Command with both an Oregon State Fire Marshall and a Type II IMT managing the incident. Currently there is a Type I IMT on order to replace the Type II team when they become available.

This decision addresses and answers the following questions.

1. What are the critical values at risk?

Values at risk include:

- a. Firefighter and public health and safety
- b. Communities and residences
- c. Private lands and resources
- d. Natural and cultural resources
- e. Current and future planned timber sales
- f. Wilderness character
- g. Threatened and endangered species; Northern spotted owl
- h. Inventoried Roadless Areas

2. What is the chance the critical values will be impacted, and if so what are the consequences?

- a. Firefighter and public health and safety will continue to be effected by both active fire and a heavy layer of smoke that has settled into the Willamette Valley and surrounding communities.
- b. Communities and residences have already been impacted by the incident with extensive losses. Further impacts are highly probable due to the amount of fire established within communities and residential properties.
- c. Private lands and resources have already been heavily impacted by fire and continued losses can be expected until the fire is contained.
- d. Natural and cultural resources have also been heavily impacted and economic impacts will be substantial.
- e. Current and future planned timber sales on private, state, and federal lands have all been effected and impacts to the local economy are expected to be long lasting.
- f. Wilderness character has primarily been impacted by the recent extreme fire event. Little suppression impact is expected within the wilderness areas on Forest Service land but there is some potential for suppression related impacts to the Table Rock Wilderness. A separate memorandum outlining suppression allowances in the Table Rock Wilderness has been developed and approved.
- g. Threatened and endangered species have been effected by the extreme fire behavior and severity exhibited by this incident. Late successional habitat has been impacted and additional impacts to aquatic systems can be expected when rains return to the fire area.
- h. Inventoried Roadless Areas may be impacted by suppression actions in the future, but most tactics in the near term are focused on protection of communities and private lands.

3. What are the opportunities to manage fire to meet land management objectives?

There are currently no opportunities to manage the fire to meet land management objectives.

4. What are the possible low probability/high consequence events?

The fire has just undergone a low probability high consequence event.

5. Who are the stakeholders that should be consulted prior to making a decision?

State of Oregon /Oregon Department of Forestry
Mt. Hood and Willamette National Forests

The fire is currently being managed under an area command with both an IMT2 and an OSFM team.

Risk Decisions

1. What alternatives (objectives, strategies, and tactics) are being considered?

The current strategy is focused on the preservation of life and property with an emphasis on appropriate evacuation planning and structure protection. As resources have been made available perimeter control through both direct and indirect tactic has been implemented with a prioritization of protecting communities and private lands.

2. What is the exposure of responders for the alternatives being considered?

Responders have been exposed to fire within urban and developed areas with hazards including smoke generated from burning structures and hazardous materials, damaged infrastructure including downed power lines, and road systems compromised by fire damaged trees.

3. What is the relative probability of success associated with the alternatives being considered?

This incident has already resulted in the loss of life and an undetermined number of primary residences and businesses. Success on the incident at this time is being measured as preservation of life and protection of property and private lands. With more favorable weather forecasted in the near term it is anticipated that success as defined by these metrics has a reasonable probability of being achieved.

4. What alternative provides for the best balance between the desired outcome and exposure to responders?

The current alternative that is being implemented prioritizes both responder and public safety as the number one priority. Options to pursue any other alternative is limited.

5. What are the critical thresholds that will trigger reconsideration of the proposed alternative and how will they be monitored?

Evaluation of short and long term weather forecasts will be critical in consideration of future development of alternatives. With a recognition that the incident will not have sufficient resources to archive full perimeter control in the near future a continual process of evaluating strategies that will have the highest likelihood of success in the protection of values and assets will be critical. As lines adjacent to communities and private lands can be secured additional considerations can be made in the best use of resources for full perimeter control.